

SNELL
AUGERS, BITS
AND
SMALL TOOLS

CATALOGUE No. 34



SNELL MANUFACTURING CO.

FISKDALE, MASSACHUSETTS, U. S. A.

Established 1790

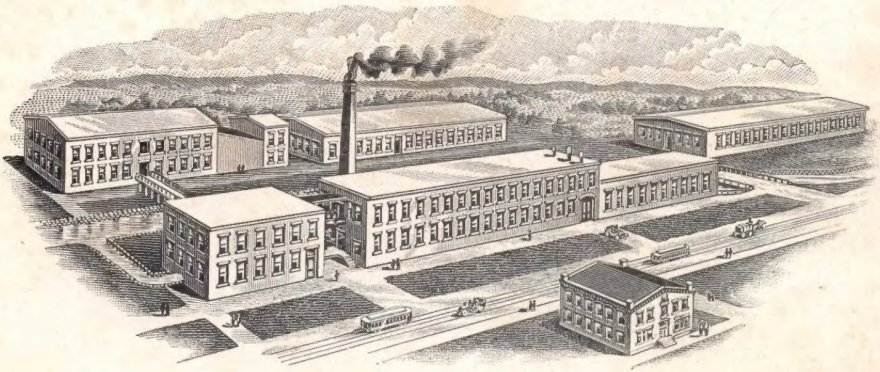
DIRECT REPRESENTATIVES

JOHN H. GRAHAM & COMPANY, Inc.
113 Chambers Street, New York

ILLUSTRATED CATALOGUE
AND
PRICE LIST

SNELL MANUFACTURING CO.

Manufacturers of
AUGERS AND BITS, SHIP AUGERS, BORING MACHINES,
CARPENTERS' TOOLS, Etc.



Established 1790
FISKDALE, MASS., U. S. A.

SALES OFFICE
WITH
JOHN H. GRAHAM & COMPANY, INC.
113 CHAMBERS STREET, NEW YORK

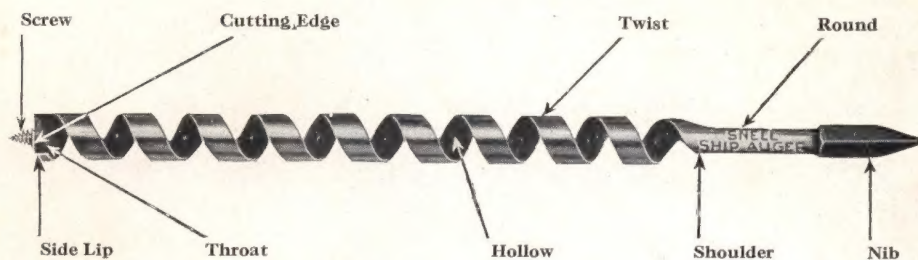
To Whom All Orders and Correspondence Should Be Sent

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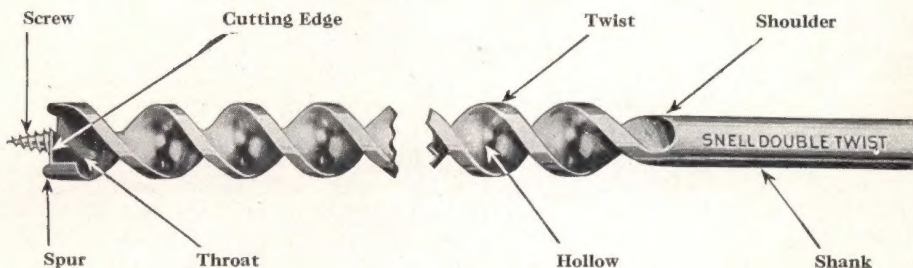
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EXPLANATION OF BIT AND AUGER TERMS

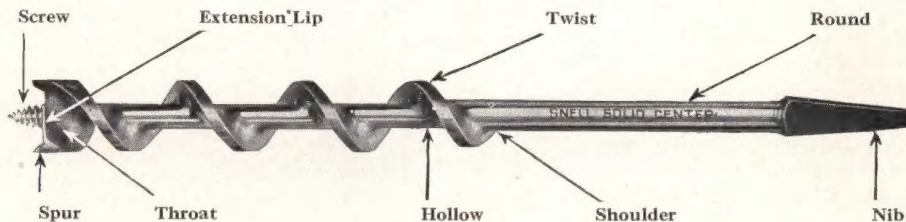
Ship Auger with Screw



Double Twist Machine Bit



Solid Center Auger Bit



The **Spur** is a sharp projection, which extends down from the cutting edge on some types of bits; its function is to outline the hole in advance of the cutting edge, preparing the chip so that it can be lifted by the cutting edge.

The **Side Lip** frees the outer edge, while the cutting edge cuts and lifts the chip, leaving the sides of hole perfectly smooth.

On flat head type of bits, the side lip and cutting edge act in unison to cut and lift the chip.

TYPES OF BIT AND AUGER HEADS

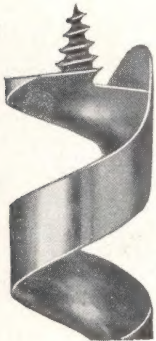
As the formation of head has much to do with adaptability for different kinds of boring, the following descriptions of the different heads should be of service in determining the style best suited for the various uses.



Double Cutter, Double Twist

For general boring in all kinds of wood; bores easily, feeds rapidly, clears readily and cuts smoothly.

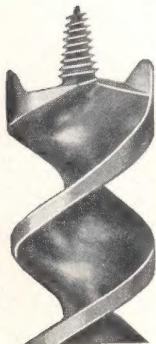
Has two cutting edges with double spurs and side lips; double thread screw; the best bit for carpenter and cabinet maker.



Star, Single Twist

Unequaled for rapid work and boring with the grain; cuts clean and frees chips easily; has single spur, single cutting edge and single thread screw.

For difficult boring in wet, green, very hard or knotty wood.



Extension Lip, Double Twist

Bores easily and cuts smooth hole; is adapted for general use and for those who desire particularly smooth, accurate boring as in furniture and cabinet work.

Has two cutting edges, extension lips and double thread screw.

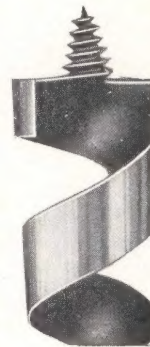


Solid Center, Extension Lip

Combines the desirable qualities of strength, free, easy cutting and good chip clearance.

Has two cutting edges with spurs of the extension lip type; pitch of screw and size of spurs properly proportioned so that the bit can do smooth, accurate boring.

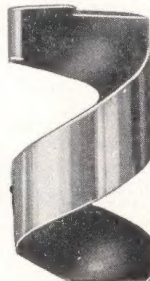
3/16 to 10/16 bits have double thread screws, larger sizes have single thread screws; recommended for electrical workers.



Ship Auger and Bit with Screw, Single Twist

Designed primarily for ship, car, trestle and heavy construction work and for boring to greater depths; recommended for strength, rigidity and free clearance.

Made with single cutting edge, one side lip and single thread screw. This permits easy cutting and also allows a good body of metal for sharpening and wear; best for use in pneumatic and electric boring machines.



Ship Auger and Bit Without Screw, Single Twist

Used largely in deep boring and where it is necessary that hole be perfectly straight; being without point or screw, have little or no tendency to drift with or follow the grain of the wood; unequaled for wet, pitchy woods; also used largely in power boring machines.

Rapidity of Boring

This depends upon pitch of screw and is measured by the number of turns required to bore through one inch of wood; every Snell bit and auger is fitted with a pitch of screw that more than a century of experience has taught us is the best type of tool; illustrations above show both single and double thread screws; the single thread for rapid, positive work or when there is a tendency to fill up threads; the double thread for accurate and particularly fine work, as in furniture and cabinet making.

SNELL-CLARK EXPANSIVE BITS

SPECIAL TOOL STEEL—FULL POLISHED—ACCURATELY MADE

We
Guarantee

That the Bit will bore accurately to the size indicated by the graduations on the Cutter when set to the mark on the Cap.

That the Cutters will not creep or shift in boring.

That the Cutters are made of best quality Tool Steel.

That our Cutters are machined on all sides to fit perfectly and that our parts are made to standard size and are interchangeable. Stamping on Cutter and Cap is always uniform, so that Cutters can be replaced.

SNELL-CLARK



Small Size

With two cutters; one boring from $\frac{1}{2}$ to $\frac{7}{8}$ inch, and the other from $\frac{7}{8}$ to $1\frac{1}{2}$ inches.

	Per Dozen
No. 1 Small size; weight per dozen, 3 lbs.....	\$18.00
<i>One in a carton, six cartons in a box</i>	

Large Size

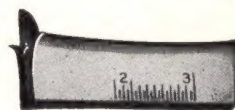
With two cutters; one boring from $\frac{7}{8}$ to $1\frac{3}{4}$ inches, and the other from $1\frac{3}{4}$ to 3 inches.

	Per Dozen
No. 2 Large size; weight per dozen, 6 lbs.....	\$26.00
<i>One in a carton, six cartons in a box</i>	

EXTRA CUTTERS



No. 2



No. 4

	Per Dozen
No. 1 Boring from $\frac{1}{2}$ to $\frac{7}{8}$ inches; weight per dozen, 1 ounce.....	\$3.00
No. 2 Boring from $\frac{7}{8}$ to $1\frac{1}{2}$ inches; weight per dozen, 2 ounces.....	3.75
No. 3 Boring from $\frac{7}{8}$ to $1\frac{3}{4}$ inches; weight per dozen, 12 ounces.....	5.25
No. 4 Boring from $1\frac{3}{4}$ to 3 inches; weight per dozen, 1 lb.....	6.00
No. 5 Boring from 3 to 4 inches; weight per dozen, $1\frac{1}{4}$ lbs.....	9.00
No. 6 Boring from 4 to 5 inches; weight per dozen, $1\frac{1}{2}$ lbs.....	12.00

EXTRA CAPS

	Per Dozen
Small caps for No. 1 expansive bits; weight per dozen, 1 ounce.....	\$1.44
Large caps for No. 2 expansive bits; weight per dozen, 9 ounces.....	1.80

EXTRA SCREWS

	Per Dozen
Small size screws for No. 1 expansive bits; weight per dozen, 1 ounce.....	\$0.60
Large size screws for No. 2 expansive bits; weight per dozen, 4 ounces.....	.70

SNELL-CLARK EXPANSIVE DOWEL BITS

SPECIAL TOOL STEEL—FULL POLISHED—ACCURATELY MADE



No. 1—One Cutter boring from $\frac{1}{2}$ to $\frac{7}{8}$ inch and the other from $\frac{7}{8}$ to $1\frac{1}{2}$ inches.

No. 2—One Cutter boring from $\frac{7}{8}$ to $1\frac{3}{4}$ inches and the other from $1\frac{3}{4}$ to 3 inches.

	Per Dozen
No. 1 Small size; weight per dozen, $1\frac{1}{2}$ lbs.....	\$18.00
<i>One in a carton, six cartons in a box</i>	

	Per Dozen
No. 2 Large size; weight per dozen, $4\frac{1}{2}$ lbs.....	\$26.00
<i>One in a carton, six cartons in a box</i>	

BATES AUGER BITS



No. 100

A good quality cast steel auger bit, well known as a dependable wood-boring tool.

Approximate length of twist, $4\frac{1}{2}$ inches; approximate length over all, 8 inches.

Sizes in Millimeters...	5	6, 7, 8	9, 10	11	12, 13	14	15, 16	17	18, 19
Size Inches, in 16ths.....	3	4, 5	6	7	8	9	10	11	12
Per Dozen.....	\$6.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00	7.00
Weight Per Dozen, Lbs..	$\frac{3}{4}$	$1, 1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Sizes in Millimeters...	20, 21	22	23, 24	25	26, 27	28	30, 31, 32	35	38
Size Inches, in 16ths.....	13	14	15	16	17	18	20	22	24
Per Dozen.....	\$8.25	8.25	9.50	9.50	12.00	12.00	14.00	16.00	18.00
Weight Per Dozen, Lbs..	$3\frac{1}{4}$	$3\frac{3}{4}$	$4\frac{1}{4}$	$4\frac{1}{2}$	$4\frac{3}{4}$	$5\frac{1}{2}$	6	$6\frac{1}{2}$	8
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$

SNELL EXTRA AUGER BITS



No. 200

Forged from crucible steel; full polished, except nib. For general boring in all kinds of wood; bores easily, feeds rapidly, clears readily and cuts smoothly; has two cutting edges with double spurs and side lips; double thread screw; the best bit for carpenter and cabinet maker.

Size Inches, in 16ths...	3	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$6.00	5.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00	7.00
Length Over All, Inches.	7 $\frac{1}{2}$	7 $\frac{5}{8}$	7 $\frac{3}{4}$	7 $\frac{7}{8}$	8	8 $\frac{1}{8}$	8 $\frac{1}{4}$	8 $\frac{3}{8}$	8 $\frac{1}{2}$	8 $\frac{5}{8}$
Weight Per Dozen, Lbs..	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size Inches, in 16ths...	13	14	15	16	17	18	20	22	24	
Per Dozen.....	\$8.25	8.25	9.50	9.50	12.00	12.00	14.00	16.00	18.00	
Length Over All, Inches.	8 $\frac{3}{4}$	8 $\frac{7}{8}$	9	9	9 $\frac{1}{8}$	9 $\frac{1}{4}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	
Weight Per Dozen, Lbs..	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	8	
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	

Sets in Paper Boxes

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
200 A	$11\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	1 lb.	\$3.00
200 B	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	$1\frac{1}{4}$ lbs.	3.35
200 C	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	$1\frac{1}{4}$ lbs.	4.50
200 D	$18\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	$1\frac{1}{2}$ lbs.	4.50
200 E	21	2 each, 4 and 8-16ths and 1 each, 5, 6, 7, 9, 10, 11 and 12-16ths.....	2 lbs.	5.40
200 F	24	2 each, 6, 8 and 10-16ths and 1 each, 4, 5, 7, 9, 11 and 12-16ths.....	$2\frac{1}{4}$ lbs.	5.90
200 G	$32\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	3 lbs.	7.50

SNELL SPECIAL PATTERN AUGER BITS

For Boring Hard Wood



No. 201

Forged from crucible steel; full polished, except head and nib. Made with special screw point to bore easily in lignum-vitae or other hard woods, also for end boring; similar to the English Mathieson Bit, and has an extensive export sale; flat cut type and easily sharpened.

Size Inches, in 16ths...	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$5.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00	7.00
Length Over All, Inches.	7 $\frac{5}{8}$	7 $\frac{3}{4}$	7 $\frac{7}{8}$	8	8 $\frac{1}{8}$	8 $\frac{1}{4}$	8 $\frac{3}{8}$	8 $\frac{1}{2}$	8 $\frac{5}{8}$
Weight Per Dozen, Lbs..	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size Inches, in 16ths...	13	14	15	16	17	18	20	22	24
Per Dozen.....	\$8.25	8.25	9.50	9.50	12.00	12.00	14.00	16.00	18.00
Length Over All, Inches.	8 $\frac{3}{4}$	8 $\frac{7}{8}$	9	9	9 $\frac{1}{8}$	9 $\frac{1}{4}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Weight Per Dozen, Lbs..	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	8
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$

Sets in Paper Boxes

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
201 A	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	1 lb.	\$3.00
201 B	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	1 $\frac{1}{4}$ lbs.	3.35
201 C	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	1 $\frac{1}{4}$ lbs.	4.50
201 D	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	1 $\frac{1}{2}$ lbs.	4.50
201 E	21	2 each, 4 and 8-16ths and 1 each, 5, 6, 7, 9, 10, 11 and 12-16ths.....	2 lbs.	5.40
201 F	24	2 each, 6, 8 and 10-16ths and 1 each, 4, 5, 7, 9, 11 and 12-16ths.....	2 $\frac{1}{4}$ lbs.	5.90
201 G	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	3 lbs.	7.50

SNELL EXTENSION LIP AUGER BITS

Double Twist



No. 300

Forged from crucible steel; full polished, except nib. Bores easily and cuts smooth hole; is adapted for general use and for those who desire particularly smooth, accurate boring as in furniture and cabinet work; has two cutting edges, extension lips and double thread screw.

Size Inches, in 16ths...	3	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$6.00	5.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00	7.00
Length Over All, Inches.	7 $\frac{1}{2}$	7 $\frac{3}{8}$	7 $\frac{3}{4}$	7 $\frac{7}{8}$	8	8 $\frac{1}{8}$	8 $\frac{1}{4}$	8 $\frac{3}{8}$	8 $\frac{1}{2}$	8 $\frac{5}{8}$
Weight Per Dozen, Lbs..	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size Inches, in 16ths...	13	14	15	16	17	18	20	22	24	
Per Dozen.....	\$8.25	8.25	9.50	9.50	12.00	12.00	14.00	16.00	18.00	
Length Over All, Inches.	8 $\frac{3}{4}$	8 $\frac{7}{8}$	9	9	9 $\frac{1}{8}$	9 $\frac{1}{4}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	
Weight Per Dozen, Lbs..	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	8	
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	

Sets in Paper Boxes

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
300 A	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	1 lb.	\$3.00
300 B	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	1 $\frac{1}{4}$ lbs.	3.35
300 C	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	1 $\frac{1}{4}$ lbs.	4.50
300 D	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	1 $\frac{1}{2}$ lbs.	4.50
300 E	21	2 each, 4 and 8-16ths and 1 each, 5, 6, 7, 9, 10, 11 and 12-16ths.....	2 lbs.	5.40
300 F	24	2 each, 6, 8 and 10-16ths and 1 each, 4, 5, 7, 9, 11 and 12-16ths.....	2 $\frac{1}{4}$ lbs.	5.90
300 G	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	3 lbs.	7.50

SNELL "RED ROVER" EXTENSION LIP AUGER BITS

Double Twist



No. 333

Forged from crucible steel; full polished, except nib, which is painted red. Bores easily and cuts smooth hole; is adapted for general use and for those who desire a rapid boring bit under all conditions.

Size Inches, in 16ths..	3	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$6.00	5.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00	7.00
Length Over All, Inches.	7 $\frac{1}{2}$	7 $\frac{5}{8}$	7 $\frac{3}{4}$	7 $\frac{7}{8}$	8	8 $\frac{1}{8}$	8 $\frac{1}{4}$	8 $\frac{3}{8}$	8 $\frac{1}{2}$	8 $\frac{5}{8}$
Weight Per Dozen, Lbs..	3 $\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3
Dozen in a Box.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Size Inches, in 16ths..	13	14	15	16	17	18	20	22	24	
Per Dozen.....	\$8.25	8.25	9.50	9.50	12.00	12.00	14.00	16.00	18.00	
Length Over All, Inches.	8 $\frac{3}{4}$	8 $\frac{7}{8}$	9	9	9 $\frac{1}{8}$	9 $\frac{1}{4}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	
Weight Per Dozen, Lbs..	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	8	
Dozen in a Box.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	

Sets in Paper Boxes

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
300 A	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	1 lb.	\$3.00
300 B	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	1 $\frac{1}{4}$ lbs.	3.35
300 C	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	1 $\frac{1}{4}$ lbs.	4.50
300 D	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	1 $\frac{1}{2}$ lbs.	4.50
300 E	21	2 each, 4 and 8-16ths and 1 each, 5, 6, 7, 9, 10, 11 and 12-16ths.....	2 lbs.	5.40
300 F	24	2 each, 6, 8 and 10-16ths and 1 each, 4, 5, 7, 9, 11 and 12-16ths.....	2 $\frac{1}{4}$ lbs.	5.90
300 G	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	3 lbs.	7.50

Sets also furnished in fancy boxes and canvas rolls

SNELL STAR AUGER BITS



No. 600

Forged from crucible steel, full polished.

Easy running single twist bit for general work and for boring in hard wood, unequalled for end boring; has one cutting edge and one spur.

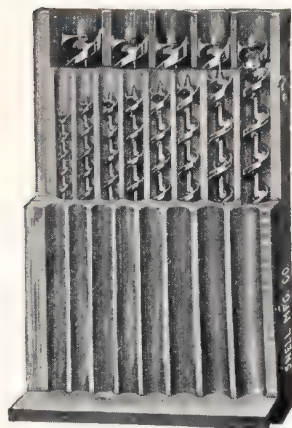
The Best All-Around Bit We Produce

Size Inches, in 16ths.	4	5	6	7	8	9	10	11
Per Dozen.....	\$5.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00
Length Over All, Inches.	7 $\frac{5}{8}$	7 $\frac{3}{4}$	7 $\frac{7}{8}$	8	8 $\frac{1}{8}$	8 $\frac{1}{4}$	8 $\frac{3}{8}$	8 $\frac{1}{2}$
Weight Per Dozen, Lbs..	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size Inches, in 16ths.	12	13	14	15	16	18	20	
Per Dozen.....	\$7.00	8.25	8.25	9.50	9.50	12.00	14.00	
Length Over All, Inches.	8 $\frac{5}{8}$	8 $\frac{3}{4}$	8 $\frac{7}{8}$	9	9	9 $\frac{1}{4}$	9 $\frac{1}{2}$	
Weight Per Dozen, Lbs..	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	7 $\frac{1}{2}$	9	10	
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	

Sets in Paper Boxes

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
600 A	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	1 $\frac{1}{4}$ lbs.	\$3.00
600 B	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	1 $\frac{1}{2}$ lbs.	3.35
600 C	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	2 lbs.	4.50
600 D	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	2 lbs.	4.50
600 E	21	2 each, 4 and 8-16ths and 1 each, 5, 6, 7, 9, 10, 11 and 12-16ths.....	2 $\frac{1}{4}$ lbs.	5.40
600 F	24	2 each, 6, 8 and 10-16ths and 1 each, 4, 5, 7, 9, 11 and 12-16ths.....	2 $\frac{3}{4}$ lbs.	5.90
600 G	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	3 $\frac{1}{2}$ lbs.	7.50

SNELL AUGER BIT SETS IN COLUMBIA BOXES



Set of 13 Bits

This style box is used for auger bits in sets as listed below; it can be stood on end or laid flat; made of hard wood, oiled finish, and displays the bits to the best advantage; it is more convenient than other bit boxes.

Stock Assortments

Are specified below, although special assortments will be made up if ordered in sufficient quantity.

SNELL EXTRA AUGER BITS

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
211 $\frac{1}{4}$	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	2 $\frac{1}{2}$ lbs.	\$3.75
214	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	3 lbs.	4.10
218	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	3 $\frac{1}{4}$ lbs.	5.50
218 $\frac{3}{4}$	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	3 $\frac{1}{2}$ lbs.	5.50
232 $\frac{1}{2}$	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	5 lbs.	8.50

SNELL EXTENSION LIP AUGER BITS

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
311 $\frac{1}{4}$	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	2 $\frac{1}{2}$ lbs.	\$3.75
314	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	3 lbs.	4.10
318	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	3 $\frac{1}{4}$ lbs.	5.50
318 $\frac{3}{4}$	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	3 $\frac{1}{2}$ lbs.	5.50
332 $\frac{1}{2}$	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	5 lbs.	8.50

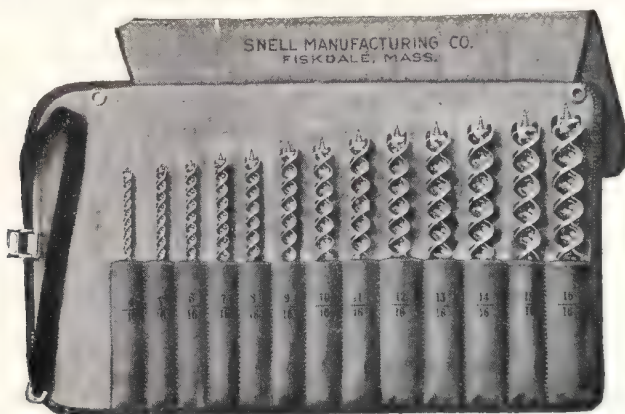
SNELL STAR AUGER BITS

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
611 $\frac{1}{4}$	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	3 lbs.	\$3.75
614	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	3 $\frac{1}{2}$ lbs.	4.10
618	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	3 $\frac{1}{4}$ lbs.	5.50
618 $\frac{3}{4}$	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	4 lbs.	5.50
632 $\frac{1}{2}$	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	6 lbs.	8.50

SNELL SOLID CENTER AUGER BITS

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
811 $\frac{1}{4}$	11 $\frac{1}{4}$	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	2 $\frac{1}{2}$ lbs.	\$3.75
814	14	1 each, 4, 6, 8, 10, 12 and 16-16ths.....	3 lbs.	4.10
818	18	1 each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths.....	3 $\frac{1}{4}$ lbs.	5.50
818 $\frac{3}{4}$	18 $\frac{3}{4}$	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	3 $\frac{1}{2}$ lbs.	5.50
832 $\frac{1}{2}$	32 $\frac{1}{2}$	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.....	5 lbs.	8.50

SNELL AUGER BIT SETS IN CANVAS ROLLS

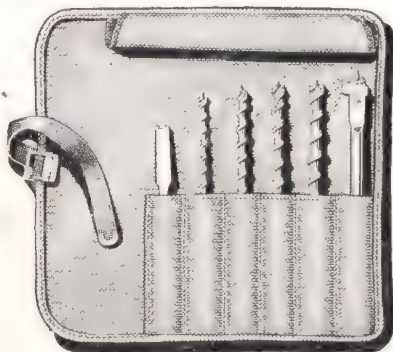


Made of heavy colored canvas with well-sewed, turned-in edges; lined with canton flannel and sewed to give a separate compartment for each bit, affording a simple and convenient means of protecting the bits from dampness and injury.

Set No.	Number of Bits Per Set	Weight Per Set	Per Set
232½ R	SNELL EXTRA BITS; 13 bits, one each, 4 to 16-16ths, inclusive.	3⅜ lbs.	\$8.50
332½ R	SNELL EXTENSION LIP BITS; 13 bits, one each, 4 to 16-16ths, inclusive.	3¾ lbs.	8.50
632½ R	STAR BITS; 13 bits, one each, 4 to 16-16ths, inclusive.	4⅝ lbs.	8.50
832½ R	SOLID CENTER BITS; 13 bits, one each, 4 to 16-16ths, inclusive.	3⅜ lbs.	8.50
132½ R	BATES BITS; 13 bits, one each, 4 to 16-16ths, inclusive.	3½ lbs.	8.50

NOTE.—Sets of 6, 8 and 9 bits in canvas rolls will be furnished in any of the above styles; numbers, sizes and list prices are as for sets on preceding page, except the letter R is added to the number.

SNELL POCKET BIT SET IN CANVAS CASE



No. 888

This Snell Set comprises one Auger Bit each 4/16, 5/16, 6/16, 7/16; a Snell-Clark Expansive Bit, boring ½ to 1½ inches, and a Screw Driver Bit. In all a boring range is given from ¼ inch to 1½ inches.

This Set may also be obtained with either a Rose Countersink or Screw Driver Bit.

All are of the Snell high quality special Tool Steel, full polished, accurately made, with parts of Expansive Bit interchangeable.

A well-made Dark Brown Canvas Case, lined with flannel, keeps these fine tools in proper shape.

No. 888. Pocket Bit Set, Weight Per Set, 13 ounces. Per Set, \$3.50

SNELL COMBINATION BIT SET



No. 106

Containing one each, 4, 5, 6, 7 and 8/16ths Bates Auger Bits, and one Snell-Clark Expansive Bit with two cutters, one boring from 8/16ths to 14/16ths and the other from 14/16ths to 24/16ths inch.

Set No.		Weight Per Set	Per Set
106	In a slide cover varnished wood box.....	1½ lbs.	\$8.00

BATES CAST STEEL AUGER BITS, IN FLAT BOXES

Set No.	Quarters	Number of Bits Per Set	Weight Per Set	Per Set
111¼ F	11¼	1 each, 4, 5, 6, 8, 10 and 12-16ths.....	1¾ lbs.	\$3.75
114 F	14	1 each, 4, 6, 8, 10, 12 and 16-16ths	2 lbs.	4.10
118¾ F	18¾	1 each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths.....	2½ lbs.	5.50
132½ F	32½	1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths...	4 lbs.	8.50
Farmers				
11¼	11¼	1 each, 4, 5, 6, 8, 10 and 12-16ths.	1¾ lbs.	3.75

STANDARD LISTS FOR AUGER BITS IN SETS

Paper Boxes Per Set		Fancy Boxes and Rolls Per Set		Assortments Contain the Following Bits
Quarters	Per Set	Per Set	Per Set	
32½	\$7.50	\$8.50		One each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths
25½	6.00	7.00		One each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14 and 16-16ths
24	5.90	6.90		One each, 4, 5, 7, 9, 11 and 12, and two each, 6, 8 and 10-16ths
22½	5.80	6.80		One each, 5, 7, 9, 10, 11 and 12, and two each, 4, 6 and 8-16ths
21	5.40	6.40		One each, 5, 6, 7, 9, 10, 11 and 12, and two each, 4 and 8-16ths
20½	4.90	5.90		One each, 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths
18¾	4.50	5.50		One each, 4, 5, 6, 8, 10, 12, 14 and 16-16ths
18	4.50	5.50		One each, 4, 5, 6, 7, 8, 9, 10, 11 and 12-16ths
17½	4.00	4.75		One each, 4, 6, 8, 10, 12, 14 and 16-16ths
15¼	3.75	4.50		One each, 4, 5, 6, 8, 10, 12 and 16-16ths
14	3.35	4.10		One each, 4, 6, 8, 10, 12 and 16-16ths
11¼	3.00	3.75		One each, 4, 5, 6, 8, 10 and 12-16ths

NOTE.—The above List Prices apply to all types of Snell auger bits, except ship auger bits.

SNELL "RED ROVER" ELECTRICIANS' BITS



Nos. 354, 355 and 356

Forged from crucible steel. Full polished. Red nibs.

Quickly and smoothly the cutting edge of this new bit follows the lead screw, boring a clean hole all the way through.

Without pressure the Red Rover does its work, leaving no rough or splintered surface.

No. 354

Size Inches, in 16ths.....	10	11	12
Per Dozen.....	\$10.00	10.25	10.25
Length Over All, Inches.....	18	18	18
Weight Per Dozen, Lbs.....	6	6½	8

Half dozen in a box

No. 355

Size Inches, in 16ths.....	10	11	12
Per Dozen.....	\$8.50	9.00	9.00
Length Over All, Inches.....	12	12	12
Weight Per Dozen, lbs.....	2½	3	4½

Half dozen in a box

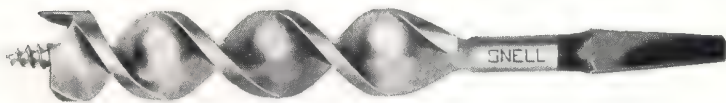
No. 356

Size Inches, in 16ths.....	10	11	12	13
Per Dozen.....	\$6.00	7.00	7.00	8.25
Length Over All, Inches.....	10	10	10	10
Weight Per Dozen, Lbs.....	3½	3¾	3½	3¾

Half dozen in a box

For larger Sizes of No. 356 use list on No. 356D below

SNELL "RED ROVER" DOWEL BITS



No. 356 D

No Position Too Difficult

Forged from crucible steel. Full polished. Red nibs.

This Bit also takes, it grips—without pressure—that's why it's so popular with electricians who often work in difficult and sometimes dangerous positions.

Size Inches, in 16ths. .	4	5	6	7	8	9	10	11	12	
Per Dozen.....	\$5.00	5.00	5.00	5.00	5.00	6.00	6.00	7.00	7.00	
Length Over All, Inches.	5½	5½	5½	5½	5½	5½	5½	5½	5½	
Weight Per Dozen, Lbs..	5/8	5/8	¾	7/8	1	1¼	1½	1¾	2	
Size Inches, in 16ths. .	13	14	15	16	17	18	19	20	22	24
Per Dozen.....	\$8.25	8.25	9.50	9.50	12.00	12.00	14.00	14.00	16.00	18.00
Length Over All, Inches.	5½	5½	5½	5½	5½	5½	5½	5½	5½	5½
Weight Per Dozen, Lbs..	2½	2¾	2¾	3	3¼	3½	3¾	3¾	4	5
Size Inches, in 16ths. .	26	28	30	32						
Per Dozen.....	\$20.00	22.00	24.00	26.00						
Length Over All, Inches.	5½	5½	5½	5½						
Weight Per Dozen, Lbs..	6	6½	7½	8						

Half dozen in a box

SNELL STAR ELECTRICIANS' BITS



Nos. 654, 655 and 656

Forged from crucible steel, full polished.

Has one cutting edge and one spur; long coarse screw.

No. 654

	Per Dozen
Size, 10-16ths—6 Inch Twist, 12 Inch Shank; Length Over All, 18 Inches; Weight Per Dozen, 6 $\frac{5}{8}$ lbs.	\$12.00
Size, 11-16ths—6 Inch Twist, 12 Inch Shank; Length Over All, 18 Inches; Weight Per Dozen, 7 $\frac{3}{8}$ lbs.	14.00
Size, 12-16ths—6 Inch Twist, 12 Inch Shank; Length Over All, 18 Inches; Weight Per Dozen, 6 $\frac{5}{8}$ lbs.	16.25
Size, 13-16ths—6 Inch Twist, 12 Inch Shank; Length Over All, 18 Inches; Weight Per Dozen, 7 $\frac{3}{8}$ lbs.	18.50

Half dozen in a box

No. 655

	Per Dozen
Size, 10-16ths—6 Inch Twist, 6 Inch Shank; Length Over All, 12 Inches; Weight Per Dozen, 4 $\frac{1}{2}$ lbs.	\$9.00
Size, 11-16ths—6 Inch Twist, 6 Inch Shank; Length Over All, 12 Inches; Weight Per Dozen, 5 lbs.	10.50
Size, 12-16ths—6 Inch Twist, 6 Inch Shank; Length Over All, 12 Inches; Weight Per Dozen, 4 $\frac{1}{2}$ lbs.	12.25
Size, 13-16ths—6 Inch Twist, 6 Inch Shank; Length Over All, 12 Inches; Weight Per Dozen, 5 $\frac{1}{2}$ lbs.	14.00

Half dozen in a box

No. 656

	Per Dozen
Size, 10-16ths—5 Inch Twist, 4 Inch Shank, Length Over All, 9 Inches; Weight Per Dozen, 3 $\frac{1}{2}$ lbs.	\$7.50
Size, 11-16ths—5 Inch Twist, 4 Inch Shank, Length Over All, 9 Inches; Weight Per Dozen, 3 $\frac{3}{4}$ lbs.	8.00
Size, 12-16ths—5 Inch Twist, 4 Inch Shank, Length Over All, 9 Inches; Weight Per Dozen, 4 lbs.	8.00
Size, 13-16ths—5 Inch Twist, 4 Inch Shank, Length Over All, 9 Inches; Weight Per Dozen, 4 $\frac{1}{4}$ lbs.	9.25

Half dozen in a box

SNELL SOLID CENTER ELECTRICIANS' BITS



No. 856

Forged from crucible steel, full polished except nib.

The coarse screw helps this tool to bore quickly.

Size Inches, in 16ths	10	11	12	13
Per Dozen	\$6.00	7.00	7.00	8.00
Length Over All, Inches	10	10	10	10
Weight Per Dozen, Lbs.	3	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4

Half dozen in a box

SNELL CONSTRUCTION BITS



No. 666

Forged from crucible steel, full polished.

The 18 inch Construction Bit bores right through green or seasoned wood. From any difficult angle on a pole, the operator finds this Snell Bit makes his work easier and safer.

Length of twist 12 inches; length overall 18 inches

Size Inches, in 16ths..	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$13.75	13.75	13.75	13.75	13.75	15.00	16.50	18.00	19.50
Length Over All, Inches.	18	18	18	18	18	18	18	18	18
Weight Per Dozen, Lbs..	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{8}$	3 $\frac{5}{8}$	4 $\frac{3}{8}$	5	5 $\frac{5}{8}$	5 $\frac{7}{8}$	6 $\frac{3}{4}$
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size Inches, in 16ths..	13	14	15	16	17	18	19	20	
Per Dozen.....	\$21.00	23.00	25.00	27.00	31.00	31.00	36.00	36.00	
Length Over All, Inches.	18	18	18	18	18	18	18	18	
Weight Per Dozen, Lbs..	7 $\frac{3}{8}$	8 $\frac{7}{8}$	9	9 $\frac{5}{8}$	9 $\frac{3}{4}$	10 $\frac{3}{8}$	11 $\frac{1}{2}$	12 $\frac{1}{2}$	
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	

SNELL INSTALLATION BITS



No. 660

The 8 in.—9 in. overall Snell Installation and Construction Bit is regular auger bit length—the size for quick, efficient work.

Size Inches, in 16ths..	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$7.00	7.00	7.00	7.00	7.00	8.00	8.00	9.00	9.00
Length Over All, Inches.	7 $\frac{5}{8}$	7 $\frac{3}{4}$	7 $\frac{7}{8}$	8	8 $\frac{1}{8}$	8 $\frac{1}{4}$	8 $\frac{3}{8}$	8 $\frac{1}{2}$	8 $\frac{5}{8}$
Weight Per Dozen, Lbs..	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{2}$
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size Inches, in 16ths..	13	14	15	16	17	18	19	20	
Per Dozen.....	\$11.00	11.00	13.00	13.00	16.00	16.00	19.00	19.00	
Length Over All, Inches.	8 $\frac{3}{4}$	8 $\frac{7}{8}$	9	9	9 $\frac{1}{4}$	9 $\frac{1}{4}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	
Weight Per Dozen, Lbs..	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	7 $\frac{1}{2}$	9	9	9 $\frac{1}{2}$	10	
Dozen in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	

SNELL PIN OR CROSS-ARM BIT



No. 660 D

The 6 $\frac{1}{4}$ Snell Bit is designed for boring holes in cross-arms for Insulators. This tool is made especially for this work and the man who uses this bit praises it for its quick-boring and clean-cutting qualities. Like all Snell Bits these Construction Bits are thoroughly "tested in wood" before leaving our factory.

No. 660 D. Made in one size only 20/16. Length Over All 6 $\frac{1}{4}$ inches, Weight Per Dozen, 6 lbs..... Per Dozen, \$19.00

SNELL CAR BITS



Snell Extra No. 206



Snell Extension Lip No. 306



Snell Star No. 606



Snell Solid Center No. 806, 805

All the above are forged from crucible steel; full polished, except nib. Used by car builders because of their many excellent boring features and good chip clearance.

Price List—Nos. 206, 306 and 606

Length of Twist, 12 Inches; Length Over All, 18 Inches

Size Inches, in 16ths..	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$11.25	11.25	11.25	11.25	11.25	12.50	13.75	15.00	16.25
Approx. Wt. Per Doz., Lbs.	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{8}$	3 $\frac{5}{8}$	4 $\frac{3}{8}$	5	5 $\frac{5}{8}$	5 $\frac{7}{8}$	6 $\frac{3}{4}$
Size Inches, in 16ths..	13	14	15	16	17	18	20	22	24
Per Dozen.....	\$17.50	19.00	20.50	22.00	24.00	26.00	30.00	34.00	38.00
Approx. Wt. Per Doz., Lbs.	7 $\frac{3}{8}$	8 $\frac{7}{8}$	9	9 $\frac{5}{8}$	9 $\frac{3}{4}$	10 $\frac{3}{8}$	12 $\frac{1}{2}$	15 $\frac{1}{4}$	16

All the above, half dozen in a box

Price List—No. 806. Solid Center

Length of Twist, 12 Inches; Length Over All, 18 Inches

Size Inches, in 16ths..	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$9.00	9.00	9.00	10.00	11.25	12.50	13.75	15.00	16.25
Approx. Wt. Per Doz., Lbs.	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{8}$	3 $\frac{5}{8}$	4 $\frac{3}{8}$	5	5 $\frac{5}{8}$	5 $\frac{7}{8}$	6 $\frac{3}{4}$
Size Inches, in 16ths..	13	14	15	16	17	18	20	22	24
Per Dozen.....	\$17.50	19.00	20.50	22.00	24.00	26.00	30.00	34.00	38.00
Approx. Wt. Per Doz., Lbs.	7 $\frac{3}{8}$	8 $\frac{7}{8}$	9	9 $\frac{5}{8}$	9 $\frac{3}{4}$	10 $\frac{3}{8}$	12 $\frac{1}{2}$	15 $\frac{1}{4}$	16

Price List—No. 805. Short Car Bits, Solid Center

Length of Twist, 8 Inches; Length Over All, 12 Inches

Size Inches, in 16ths..	4	5	6	7	8	9	10	11	12
Per Dozen.....	\$8.25	8.25	8.25	8.25	8.25	10.00	10.00	11.50	11.50
Approx. Wt. Per Doz., Lbs.	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3	3 $\frac{3}{4}$	4 $\frac{1}{2}$	5	5 $\frac{3}{8}$	6 $\frac{1}{4}$
Size Inches, in 16ths..	13	14	15	16	17	18	20	22	24
Per Dozen.....	\$13.50	13.50	15.00	15.00	16.50	16.50	18.00	20.00	23.00
Approx. Wt. Per Doz., Lbs.	6 $\frac{7}{8}$	7 $\frac{7}{8}$	8 $\frac{1}{2}$	9	9 $\frac{1}{2}$	10	11 $\frac{1}{4}$	12 $\frac{3}{4}$	14

All the above, half dozen in a box

IN SETS, ASSORTED

Set of 21 Quarters, contains two bits each, 4 and 8-16ths, and one each, 5, 6, 7, 9, 10, 11 and 12-16ths; approximate weight per set, 4 $\frac{3}{4}$ lbs.....	\$11.00
Set of 24 Quarters, contains two bits each, 6, 8 and 10-16ths and one each, 4, 5, 7, 9, 11 and 12-16ths; approximate weight per set, 5 lbs.....	12.25
Set of 32 $\frac{1}{2}$ Quarters, contains one bit each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths; approximate weight per set, 6 $\frac{3}{4}$ lbs.....	16.25

SNELL IMPROVED SHIP AUGER CAR BITS WITH SCREW



Forged from crucible steel; full polished. Used by car and ship builders, millwrights and others having to do deep boring; made with a good clearance for chips and accurately formed twist, so that they will work easily and true in cross grain, angular or end boring.

No. 509—WITH SCREW, 12 Inch TWIST, 18 Inches Over All

Size Inches, in 8ths . . .	2½, 3	3½, 4	4½, 5	5½, 6	6½, 7	7½, 8	8½, 9
Per Dozen	\$11.00	11.00	11.00	12.00	13.00	14.50	16.00
Approx. Wt. Per Doz., Lbs.	2¾	3¾	6¼	8¾	11¾	15¼	17½
Size Inches, in 8ths . . .	9½, 10	10½, 11	11½, 12	12½, 13	13½, 14	14½, 15	15½, 16
Per Dozen	\$18.00	20.00	23.00	27.00	32.00	38.00	45.00
Approx. Wt. Per Doz., Lbs.	20½	24	27½	36	44	52½	59½

No. 507—WITH SCREW, 8 Inch TWIST, 12 Inches Over All

Size Inches, in 8ths . . .	2½, 3	3½, 4	4½, 5	5½, 6	6½, 7
Per Dozen	\$10.00	10.00	10.00	11.00	12.00
Approx. Wt. Per Doz., Lbs.	1⅞	2⅞	4⅞	5¾	7¾
Size Inches, in 8ths . . .	7½, 8	8½, 9	9½, 10	10½, 11	11½, 12
Per Dozen	\$13.50	15.00	16.50	18.50	21.00
Approx. Wt. Per Doz., Lbs.	9	10¼	12	13¾	15¾

WITHOUT SCREW

Preferred for boring in green, pithy and knotty woods, does not drift off with the grain.

No. 510—WITHOUT SCREW, 12 Inch TWIST, 18 Inches Over All

Size Inches, in 8ths . . .	2½, 3	3½, 4	4½, 5	5½, 6	6½, 7	7½, 8	8½, 9
Per Dozen	\$13.20	13.20	13.20	14.40	15.60	17.40	19.20
Approx. Wt. Per Doz., Lbs.	2¾	3¾	6¼	8¾	11¾	15¼	17½
Size Inches, in 8ths . . .	9½, 10	10½, 11	11½, 12	12½, 13	13½, 14	14½, 15	15½, 16
Per Dozen	\$21.60	24.00	27.60	32.40	38.40	45.60	54.00
Approx. Wt. Per Doz., Lbs.	20½	24	27½	36	44	52½	59½

No. 508—WITHOUT SCREW, 8 Inch TWIST, 12 Inches Over All

Size Inches, in 8ths . . .	2½, 3	3½, 4	4½, 5	5½, 6	6½, 7
Per Dozen	\$12.00	12.00	12.00	13.20	14.40
Approx. Wt. Per Doz., Lbs.	1⅞	2⅞	4⅞	5¾	7¾
Size Inches, in 8ths . . .	7½, 8	8½, 9	9½, 10	10½, 11	11½, 12
Per Dozen	\$16.20	18.00	19.80	22.20	25.20
Approx. Wt. Per Doz., Lbs.	9	10¼	12	13¾	15¾

NOTE.—12 Inch TWIST is FURNISHED, Unless Otherwise Specified

All the above 2½ to 8/8ths, half dozen in a box; 8½ to 16/8ths, quarter dozen in a box

SNELL SOLID CENTER SHIP AUGER CAR BITS



WITH SCREW, No. 809—WITHOUT SCREW, No. 810

Used chiefly by ship and car builders for heavy work. Full polished.

Length of Twist, 12 Inches; Length Over All, 18 Inches

Size Inches, in 8ths...	2	2½	3	3½	4	4½	5	5½	6
Per Dozen.....	\$9.00	9.00	9.00	10.00	11.25	12.50	13.75	15.00	16.25
Weight Per Doz., Lbs....	2	2¼	3¾	4	4¾	6	6¼	6¾	7¾
Size Inches, in 8ths...	6½	7	7½	8	8½	9	10	11	12
Per Dozen.....	\$17.50	19.00	20.50	22.00	24.00	26.00	30.00	34.00	38.00
Weight Per Doz., Lbs....	8	8½	8¾	9	10½	10¾	12	13½	15

2 to 8/8ths, half dozen in a box; 8½/8ths and larger, quarter dozen in a box

SNELL SHIP AUGER BITS



WITH SCREW, No. 503. FULL POLISHED

Forged from crucible steel. Made with single cutting edge and one side lip, for difficult boring in hard, knotty or end grain wood; bores easily and clears chips readily.

Length of Twist, 5 Inches; Length Over All, 9 Inches

Size Inches, in 8ths...	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10
Per Dozen.....	\$6.00	6.00	6.00	6.00	7.50	9.00	10.50	12.00	13.50	15.00							
Weight Per Doz., Lbs....	1½	1¾	2¾	4	5	5½	6¼	7¾	8								

Half dozen in a box

IN SETS, ASSORTED

Set No. 503 A—Contains one bit each, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7½ and 8-8ths; weight per set, 7¾ lbs \$9.00

WITHOUT SCREW, No. 504. FULL POLISHED

For very straight boring, does not drift off with the grain

Size Inches, in 8ths...	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10
Per Dozen.....	\$7.20	7.20	7.20	9.00	10.80	12.60	14.40	16.20	18.00								
Weight Per Doz., Lbs....	1½	1¾	2¾	4	5	5½	6¼	7¾	8								

Half dozen in a box

IN SETS, ASSORTED

Set No. 504 A—Contains one bit each, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7½ and 8-8ths; weight per set, 7¾ lbs.....\$10.80

SNELL SOLID CENTER SHIP AUGER BITS



WITH SCREW, No. 803—WITHOUT SCREW, No. 804

Forged from crucible steel. Full polished.

Designed primarily for rapid, heavy work; has one cutting edge and one side lip.

Size Inches, in 8ths...	2	2½	3	3½	4	4½	5	5½	6
Per Dozen.....	\$4.00	4.00	4.00	4.50	5.00	5.50	6.00	7.00	7.00
Length Over All, Inches.	7⅝	7¾	7⅞	8	8⅛	8¼	8⅜	8½	8⅝
Weight Per Doz., Lbs....	1	1¼	1½	1¾	2	2¼	2½	2¾	3
Size Inches, in 8ths...	6½	7	7½	8	8½	9	10	11	12
Per Dozen.....	\$8.00	8.00	9.00	9.00	10.50	10.50	12.00	13.50	15.00
Length Over All, Inches.	8¾	8⅞	9	9	9⅛	9¼	9½	9½	9½
Weight Per Doz., Lbs....	3¼	3¾	4¼	4½	4¾	5½	6	6½	8

2 to 10/8ths, half dozen in a box; 11 and 12/8ths, quarter dozen in a box

SNELL IMPROVED SHIP AUGERS



WITH SCREW, No. 541

Forged from crucible steel; lacquered hollow, polished edge. These augers have been standard with ship builders for nearly a century and are the best known and the most used by all ship, dock and heavy timber workers; have heavy, square nib for use with auger handles or for welding to extension stems or to single or double crank handles; No. 542 is preferred where very accurate boring is essential as in ship yards, as they do not drift off with the grain.

Size Inches, in 8ths...	2	2½, 3	3½, 4	4½, 5	5½, 6	6½, 7	7½, 8
Per Dozen.....	\$11.00	11.00	11.00	11.00	12.00	13.00	14.50
Length Twist, Inches...	12	12	12	12	12	12	12
Total Length, Inches...	16	16	16	16	16	16	16
Approx. Wt. Per Doz., Lbs.	2	3	5	6½	8½	12	14½
Size Inches, in 8ths...	8½, 9	9½, 10	10½, 11	11½, 12	12½, 13	13½, 14	
Per Dozen.....	\$16.00	18.00	20.00	23.00	27.00	32.00	
Length Twist, Inches...	14	14	14	14	15	15	
Total Length, Inches...	18	18	18	18	20	20	
Approx. Wt. Per Doz., Lbs.	21	25	30	34	39	44	
Sizes Inches, in 8ths...	14½, 15	15½, 16	16½, 17	17½, 18	18½, 19	19½, 20	
Per Dozen.....	\$38.00	45.00	57.00	72.00	86.00	101.00	
Length Twist, Inches...	15	15	15	15	15	15	
Total Length, Inches...	20	20	20	20	20	20	
Approx. Wt. Per Doz., Lbs.	48	54	59	66	69	80	
Size Inches, in 8ths...	20½, 21	21½, 22	22½, 23	23½, 24	24½, 25	25½, 26	
Per Dozen.....	\$115.00	130.00	144.00	158.00	173.00	187.00	
Length Twist, Inches...	15	15	15	15	15	15	
Total Length, Inches...	20	20	20	20	20	20	
Approx. Wt. Per Doz., Lbs.	82	85	92	97	105	111	
Size Inches, in 8ths...	26½, 27	27½, 28	28½, 29	29½, 30	30½, 31	31½, 32	
Per Dozen.....	\$201.00	216.00	231.00	245.00	260.00	274.00	
Length Twist, Inches...	15	15	15	15	15	15	
Total Length, Inches...	20	20	20	20	20	20	
Approx. Wt. Per Doz., Lbs.	118	128	143	161	178	188	



WITHOUT SCREW, No. 542

Size Inches, in 8ths...	2	2½, 3	3½, 4	4½, 5	5½, 6	6½, 7	7½, 8
Per Dozen.....	\$13.20	13.20	13.20	13.20	14.40	15.60	17.40
Length Twist, Inches...	12	12	12	12	12	12	12
Total Length, Inches...	16	16	16	16	16	16	16
Approx. Wt. Per Doz., Lbs.	2	3	5	6½	8½	12	14½
Size Inches, in 8ths...	8½, 9	9½, 10	10½, 11	11½, 12	12½, 13	13½, 14	
Per Dozen.....	\$19.20	21.60	24.00	27.60	32.40	38.40	
Length Twist, Inches...	14	14	14	14	15	15	
Total Length, Inches...	18	18	18	18	20	20	
Approx. Wt. Per Doz., Lbs.	21	25	30	34	39	44	
Sizes Inches, in 8ths...	14½, 15	15½, 16	16½, 17	17½, 18	18½, 19	19½, 20	
Per Dozen.....	\$45.60	54.00	68.40	86.40	103.20	121.20	
Length Twist, Inches...	15	15	15	15	15	15	
Total Length, Inches...	20	20	20	20	20	20	
Approx. Wt. Per Doz., Lbs.	48	54	59	66	69	80	
Size Inches, in 8ths...	20½, 21	21½, 22	22½, 23	23½, 24	24½, 25	25½, 26	
Per Dozen.....	\$138.00	156.00	172.80	189.60	207.60	224.40	
Length Twist, Inches...	15	15	15	15	15	15	
Total Length, Inches...	20	20	20	20	20	20	
Approx. Wt. Per Doz., Lbs.	82	85	92	97	105	111	
Size Inches, in 8ths...	26½, 27	27½, 28	28½, 29	29½, 30	30½, 31	31½, 32	
Per Dozen.....	\$241.20	259.20	277.20	294.00	312.00	328.80	
Length Twist, Inches...	15	15	15	15	15	15	
Total Length, Inches...	20	20	20	20	20	20	
Approx. Wt. Per Doz., Lbs.	118	128	143	161	178	188	

2 to 8/8ths, half dozen in a box; 8½ to 16/8ths, quarter dozen in a box; larger sizes individually wrapped in heavy paper.

SNELL SHIP AUGERS WITH EXTRA LENGTH TWIST



WITH SCREW, No. 552

Length of Shank, 6 Inches; Prices with Screw

Size in 8ths of an Inch		Length of Twist, 18 In.	20 In.	22 In.	24 In.	30 In.	36 In.	Add for Each Additional 6-In. Twist
4 and Under	Per Dozen	\$15.00	\$18.00	\$21.00	.....	.....	.....	.....
4½	Per Dozen	16.50	19.80	23.10	.....	.....	.....	.....
5	Per Dozen	18.00	21.30	24.60	\$27.90	.....	.....	.....
5½	Per Dozen	19.50	23.10	26.70	30.30	.....	.....	.....
6	Per Dozen	21.00	24.60	28.20	31.80	\$42.60	\$53.40	\$10.80
6½	Per Dozen	22.80	26.70	30.60	34.50	46.20	57.90	11.70
7	Per Dozen	24.60	28.50	32.40	36.30	48.00	59.70	11.70
7½	Per Dozen	26.40	30.60	34.80	39.00	51.60	64.20	12.60
8	Per Dozen	28.20	32.40	36.60	40.80	53.40	66.00	12.60
8½	Per Dozen	30.00	34.50	39.00	43.50	57.00	70.50	13.50
9	Per Dozen	31.80	36.30	40.80	45.30	58.88	72.30	13.50
9½	Per Dozen	33.60	38.40	43.20	48.00	62.40	76.80	14.40
10	Per Dozen	35.40	40.20	45.00	49.80	64.20	78.60	14.40
10½	Per Dozen	37.80	42.90	48.00	53.10	68.40	83.70	15.30
11	Per Dozen	40.20	45.30	50.40	55.50	70.80	86.10	15.30
11½	Per Dozen	42.60	48.00	53.40	58.80	75.00	91.20	16.20
12	Per Dozen	45.00	50.40	55.80	61.20	77.40	93.60	16.20
12½	Per Dozen	48.00	54.00	60.00	66.00	84.00	102.00	18.00
13	Per Dozen	51.00	57.00	63.00	69.00	87.00	105.00	18.00
13½	Per Dozen	54.00	60.60	67.20	73.80	93.60	113.40	19.80
14	Per Dozen	57.00	63.60	70.20	76.80	96.60	116.40	19.80
14½	Per Dozen	60.00	67.20	74.40	81.60	103.20	124.80	21.60
15	Per Dozen	63.00	70.20	77.40	84.60	106.20	127.80	21.60
15½	Per Dozen	66.00	73.80	81.60	89.40	112.80	136.20	23.40
16	Per Dozen	69.00	76.80	84.60	92.40	115.80	139.20	23.40
16½	Per Dozen	84.00	92.40	100.80	109.20	134.40	159.60	25.20
17	Per Dozen	84.00	92.40	100.80	109.20	134.40	159.60	25.20
17½	Per Dozen	93.00	102.30	111.60	120.90	148.80	176.70	27.90
18	Per Dozen	102.00	112.20	122.40	132.60	163.20	193.80	30.60

On Augers of larger diameter than 18/8 inch, add \$9.00 per dozen to 18-inch twist list for each ½ inch extra, and if of longer twist than 18 inches, add 10 per cent. of the 18-in. twist list for each 2 inches of extra twist.

All ship augers with shanks longer than regular, but not exceeding 18 inches length of shank, add \$7.50 per dozen to list prices.

SNELL SHIP AUGERS WITH EXTRA LENGTH TWIST



WITHOUT SCREW, No. 553

For prices of No. 553, without screw, add 20 per cent. to above lists.

NOTE—All the above are MADE TO ORDER ONLY.

SNELL SHIP AUGERS WITH RING



WITH SCREW, No. 544

Forged from crucible steel; lacquered hollow, polished edge. The best ring auger of any type, made with forged rings; No. 545 is preferred where very accurate boring is essential; does not drift off with the grain.

Size Inches, in 8ths...	4	4½	5	5½	6	6½, 7	7½, 8
Per Dozen.....	\$15.10	15.10	15.10	16.20	16.20	17.30	18.95
Length Twist, Inches....	12	12	12	12	12	12	12, 12
Length Shank, Inches....	8	8	8	8	10	10	10, 12
Approx. Wt. Per Doz., Lbs.	9¾	10	11	12¾	13	16	18
Size Inches, in 8ths...	8½, 9	9½, 10	10½, 11	11½, 12	12½, 13	13½, 14	14½, 15
Per Dozen.....	\$20.60	22.80	25.00	28.30	32.70	38.20	44.80
Length Twist, Inches....	14	14	14	14	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	23	30	37	44	50	57	64
Size Inches, in 8ths...	15½, 16	16½, 17	17½, 18	18½, 19	19½, 20	20½, 21	21½, 22
Per Dozen.....	\$52.50	62.70	79.20	94.60	111.10	126.50	143.00
Length Twist, Inches....	15	15	15	15	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	71	79	86	91	95	100	105
Size Inches, in 8ths...	22½, 23	23½, 24	24½, 25	25½, 26	26½, 27	27½, 28	28½, 29
Per Dozen.....	\$158.40	173.80	189.75	205.70	221.65	237.60	253.55
Length Twist, Inches....	15	15	15	15	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	112	123	130	137	143	150	156
Size Inches, in 8ths...	29½, 30	30½, 31	31½, 32	32½, 33	33½, 34	34½, 35	35½, 36
Per Dozen.....	\$269.50	285.10	300.65	316.25	331.85	347.45	363.00
Length Twist, Inches....	15	15	15	15	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	162	168	174	180	186	192	198

WITHOUT SCREW, No. 545

Size Inches, in 8ths...	4	4½	5	5½	6	6½, 7	7½, 8
Per Dozen.....	\$18.12	18.12	18.12	19.44	19.44	20.76	22.74
Length Twist, Inches....	12	12	12	12	12	12	12, 12
Length Shank, Inches....	8	8	8	8	10	10	10, 12
Approx. Wt. Per Doz., Lbs.	9¾	10	11	12¾	13	16	18
Size Inches, in 8ths...	8½, 9	9½, 10	10½, 11	11½, 12	12½, 13	13½, 14	14½, 15
Per Dozen.....	\$24.72	27.36	30.00	33.96	39.24	45.84	53.76
Length Twist, Inches....	14	14	14	14	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	23	30	37	44	50	57	64
Size Inches, in 8ths...	15½, 16	16½, 17	17½, 18	18½, 19	19½, 20	20½, 21	21½, 22
Per Dozen.....	\$63.00	75.24	95.04	113.52	133.32	151.80	171.60
Length Twist, Inches....	15	15	15	15	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	71	79	86	91	95	100	105
Size Inches, in 8ths...	22½, 23	23½, 24	24½, 25	25½, 26	26½, 27	27½, 28	28½, 29
Per Dozen.....	\$190.08	208.56	227.70	246.84	265.98	285.12	304.26
Length Twist, Inches....	15	15	15	15	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	112	123	130	137	143	150	156
Size Inches, in 8ths...	29½, 30	30½, 31	31½, 32	32½, 33	33½, 34	34½, 35	35½, 36
Per Dozen.....	\$323.40	342.12	360.78	379.50	389.22	416.94	435.60
Length Twist, Inches....	15	15	15	15	15	15	15
Length Shank, Inches....	12	12	12	12	12	12	12
Approx. Wt. Per Doz., Lbs.	162	168	174	180	186	192	198

Note—Plain Wooden Handles for Ring Augers can be furnished; prices (according to size) on application. Individually wrapped in heavy paper.

SNELL SOLID CENTER SHIP AUGERS



WITH SCREW, No. 841—WITHOUT SCREW, No. 842

Forged from crucible steel, polished bright.

Used principally by ship and car builders; has one cutting edge and one side lip, and is equal to any ship auger of this type.

Length of Shank, 6 Inches

Size Inches, in 8ths...	2	2½	3	3½	4	4½	5
Per Dozen.....	\$7.50	7.50	7.50	7.50	7.50	9.00	9.00
Length Over All, Inches.	14	14	14	14	14	16	16
Weight Per Doz., Lbs....	2	2½	3¼	3¾	4¾	6	6¼
Size Inches, in 8ths...	5½	6	6½	7	7½	8	8½
Per Dozen.....	\$10.50	10.50	12.00	12.00	13.50	13.50	15.00
Length Over All, Inches.	16	16	16	16	16	16	19
Weight Per Doz., Lbs....	6¾	7¾	8	8½	8¾	9¼	10½
Size Inches, in 8ths...	9	9½	10	10½	11	11½	12
Per Dozen.....	\$15.00	16.50	16.50	18.00	18.00	21.00	21.00
Length Over All, Inches.	19	19	19	19	19	19	19
Weight Per Doz., Lbs....	10¾	11¼	12¼	12¾	13½	14¼	15

2 to 8/8ths, half dozen in a box; 8½/8ths and larger, quarter dozen in a box

SNELL SOLID CENTER LONG TWIST SHIP AUGERS

WITH SCREW, No. 852—WITHOUT SCREW, No. 853

Size Inches, in 8ths...	2	2½	3	3½	4
Per Dozen.....	\$12.00	12.00	12.00	13.50	15.00

For lists on larger sizes of Solid Center Long Twist Augers use Long Twist Ship Auger lists on page 18. Forged any Length from 12 Inch Twist to 10 Feet Twist.

SNELL PNEUMATIC AUGERS



WITH SCREW, No. 535. FULL POLISHED



WITHOUT SCREW, No. 536. FULL POLISHED

These ship auger machine bits are commonly known as pneumatic or air augers, being used in machines operated by compressed air, also designed for use in electrically-driven machines.

For nearly a century the "Snell" name has stood for all that is best in ship auger construction. No other type can equal the Snell Single Twist, which is preferred and specified by ship, bridge and dock builders and for all heavy work where quality tools are essential.

All the above are Made to Order Only

List prices are same as those for Machine Bits on pages 23 and 24

STOCK SIZES OF SNELL MACHINE BITS

All machine bits in the following list are carried in finished stock and immediate delivery can be made:



Stock of No. 235 Double Twist Machine Bits

- 4-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{16}$ to 1-inch.
 5-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{16}$ to 1-inch.
 6-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{16}$ to 2-inch.
 8-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{1}{4}$ to $1\frac{1}{8}$ -inch.
 10-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{5}{16}$ to $1\frac{1}{8}$ -inch.
 12-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{8}$ to 2-inch.
 14-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes 9/16, 11/16, 13/16, 15/16 and 1-1/16-inch.
 8-inch twist, $\frac{3}{4}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{5}{16}$ to 1-inch.
 10-inch twist, $\frac{3}{4}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{8}$ to $1\frac{1}{8}$ -inch.
 12-inch twist, $\frac{3}{4}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{8}$ to 2-inch.
 14-inch twist, $\frac{3}{4}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{3}{8}$ to 2-inch.
 16-inch twist, $\frac{3}{4}$ " x $2\frac{1}{4}$ " shank, sizes 9/16, 11/16, 13/16, 15/16 and 1-1/16-inch.



Stock of No. 335 Snell Extension Lip Machine Bits

- 4-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{1}{4}$ to 1-inch.
 6-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{1}{4}$ to $1\frac{1}{4}$ -inch.



Stock of No. 835 Snell Solid Center Machine Bits

- 6-inch twist, $\frac{1}{2}$ " x $2\frac{1}{4}$ " shank, sizes by 16ths from $\frac{1}{4}$ to $1\frac{1}{4}$ -inch.

Machine Bits of other specifications are Special Tools and must be made to order and figure at a higher cost basis.

To arrive at the list on special Machine Bits the list shown on pages 23, 24 is used but advanced on the following quantity extra basis:

- 1 of one size and type
- 2 of one size and type
- 3 of one size and type
- 4 or 5 of one size and type
- 6 to 11 of one size and type
- 12 to 23 of one size and type
- 24 or more of any size or type

- double list
- list plus two-thirds
- list plus one-half
- list plus one-third
- list plus 20%
- list plus 10%
- regular list

Note on all machine bits there is no extra charge for turning shanks to any size required, provided they are straight and do not exceed 3 inches in length or 12/16-inch diameter. For shanks exceeding 3 inches in length an extra charge will be made of 7 cents per inch and if tapered, \$1.80 per dozen, net. Minimum charge 45 cents.

Morse taper shanks and special taper shanks to blue print, \$2.50 per dozen, net.

Special shanks of any desired shape made to order. We will not be held responsible for perfect fit unless we are furnished a sample shank of exact size desired.

All bits made by odd 32ds will be charged the price of the 16th larger.

SNELL MACHINE BITS

All are forged from crucible steel, oil tempered and full polished, in a variety of types as illustrated below.

The Snell No. 235 is always sent when no pattern is specified.



Snell Double Twist No. 235
Snell High Speed Double Twist No. 235 H. S.



Snell Extension Lip No. 335



Snell Ship Auger (Pneumatic Auger) No. 535 With Screw
No. 536 Without Screw



Snell Star Single Twist No. 635



Snell Solid Center No. 835



Snell Solid Center No. 838



Snell Solid Center No. 839

NOTE.—List prices for all the above are on following pages.

SNELL POWER MACHINE COUNTERSINKS



No. 237 Snell Power Machine Countersinks.....

Each
\$1.50

LIST FOR ALL STYLES OF POWER MACHINE BITS

Illustrations on Page 22

LENGTH OF TWIST, AS BELOW

Unless otherwise specified, shanks are furnished $\frac{1}{2}$ inch \times $2\frac{1}{4}$ inches.

List Adopted October 12, 1905

Diameter Inches	6-Inch Per Doz.	8-Inch Per Doz.	10-Inch Per Doz.	12-Inch Per Doz.	14-Inch Per Doz.	16-Inch Per Doz.	18-Inch Per Doz.	20-Inch Per Doz.	22-Inch Per Doz.	24-Inch Per Doz.
4-16	\$10.80	\$12.96	\$15.12	\$17.28	.....	.....	.....	.....	.....	.....
5-16	10.80	12.96	15.12	17.28	.....	.....	.....	.....	.....	.....
6-16	10.80	12.96	15.12	17.28	\$19.44	\$21.60	.....	.....	.....	.....
7-16	10.80	12.96	15.12	17.28	19.44	21.60	.....	.....	.....	.....
8-16	10.80	12.96	15.12	17.28	19.44	21.60	\$23.76	\$25.92	\$28.08	.....
9-16	12.00	14.40	16.80	19.20	21.60	24.00	26.40	28.80	31.20	.....
10-16	13.20	15.84	18.48	21.12	23.76	26.40	29.04	31.68	34.32	\$36.96
11-16	14.40	17.28	20.16	23.04	25.92	28.80	31.68	34.56	37.44	40.32
12-16	15.60	18.72	21.84	24.96	28.08	31.20	34.32	37.44	40.56	43.68
13-16	16.80	20.16	23.52	26.88	30.24	33.60	36.96	40.32	43.68	47.04
14-16	18.00	21.60	25.20	28.80	32.40	36.00	39.60	43.20	46.80	50.40
15-16	19.20	23.04	26.88	30.72	34.56	38.40	42.24	46.08	49.92	53.76
16-16	20.40	24.48	28.56	32.64	36.72	40.80	44.88	48.96	53.04	57.12
17-16	21.60	25.92	30.24	34.56	38.88	43.20	47.52	51.84	56.16	60.48
18-16	22.80	27.36	31.92	36.48	41.04	45.60	50.16	54.72	59.28	63.84
19-16	24.00	28.80	33.60	38.40	43.20	48.00	52.80	57.60	62.40	67.20
20-16	25.20	30.24	35.28	40.32	45.36	50.40	55.44	60.48	65.52	70.56
21-16	26.40	31.68	36.96	42.24	47.52	52.80	58.08	63.36	68.64	73.92
22-16	27.60	33.12	38.64	44.16	49.68	55.20	60.72	66.24	71.76	77.28
23-16	28.80	34.56	40.32	46.08	51.84	57.60	63.36	69.12	74.88	80.64
24-16	30.00	36.00	42.00	48.00	54.00	60.00	66.00	72.00	78.00	84.00
25-16	31.50	37.80	44.10	50.40	56.70	63.00	69.30	75.60	81.90	88.20
26-16	33.00	39.60	46.20	52.80	59.40	66.00	72.60	79.20	85.80	92.40
27-16	34.50	41.40	48.30	55.20	62.10	69.00	75.90	82.80	89.70	96.60
28-16	36.00	43.20	50.40	57.60	64.80	72.00	79.20	86.40	93.60	100.80
29-16	37.50	45.00	52.50	60.00	67.50	75.00	82.50	90.00	97.50	105.00
30-16	39.00	46.80	54.60	62.40	70.20	78.00	85.80	93.60	101.40	109.20
31-16	40.50	48.60	56.70	64.80	72.90	81.00	89.10	97.20	105.30	113.40
32-16	42.00	50.40	58.80	67.20	75.60	84.00	92.40	100.80	109.20	117.60
33-16	43.80	52.56	61.32	70.08	78.84	87.60	96.36	105.12	113.88	122.64
34-16	45.60	54.72	63.84	72.96	82.08	91.20	100.32	109.44	118.56	127.68
35-16	47.40	56.88	66.36	75.84	85.32	94.80	104.28	113.76	123.24	132.72
36-16	49.20	59.04	68.88	78.72	88.56	98.40	108.24	118.08	127.92	137.76
37-16	51.00	61.20	71.40	81.60	91.80	102.00	112.20	122.40	132.60	142.80
38-16	52.80	63.36	73.92	84.48	95.04	105.60	116.16	126.72	137.28	147.84
39-16	54.60	65.52	76.44	87.36	98.28	109.20	120.12	131.04	141.96	152.88
40-16	56.40	67.68	78.96	90.24	101.52	112.80	124.08	135.36	146.64	157.92
42-16	60.60	72.72	84.84	96.96	109.08	121.20	133.32	145.44	157.56	169.68
44-16	64.80	77.76	90.72	103.68	116.64	129.60	142.56	155.52	168.48	181.44
46-16	69.00	82.80	96.60	110.40	124.20	138.00	151.80	165.60	179.40	193.20
48-16	73.20	87.84	102.48	117.12	131.76	146.40	161.04	175.68	190.32	204.96
50-16	78.00	93.60	109.20	124.80	140.40	156.00	171.60	187.20	202.80	218.40
52-16	82.80	99.36	115.92	132.48	149.04	165.60	182.16	198.72	215.28	231.84
54-16	87.60	105.12	122.64	140.16	157.68	175.20	192.72	210.24	227.76	245.28
56-16	92.40	110.88	129.36	147.84	166.32	184.80	203.28	221.76	240.24	258.72

See Footnote at Bottom of Page 21 or Page 24

LIST FOR ALL STYLES OF POWER MACHINE BITS

Continued

Illustrations on Page 22

LENGTH OF TWIST, AS BELOW

Unless Otherwise Specified, Shanks are Furnished $\frac{1}{2}$ Inch x $2\frac{1}{4}$ Inches

Diameter Inches	26-Inch Per Doz.	28-Inch Per Doz.	30-Inch Per Doz.	32-Inch Per Doz.	34-Inch Per Doz.	36-Inch Per Doz.	42-Inch Per Doz.	48-Inch Per Doz.	54-Inch Per Doz.	60-Inch Per Doz.
10-16	\$39.60	\$42.24	.....	.....	.....	.....	.....	.....	.....	.....
11-16	43.20	46.08	.....	.....	.....	.....	.....	.....	.....	.....
12-16	46.80	49.92	\$53.04	\$56.16	\$59.28	\$62.40	\$71.76	\$81.12	\$90.48	\$99.84
13-16	50.40	53.76	57.12	60.48	63.84	67.20	77.28	87.36	97.44	107.52
14-16	54.00	57.60	61.20	64.80	68.40	72.00	82.80	93.60	104.40	115.20
15-16	57.60	61.44	65.28	69.12	72.96	76.80	88.32	99.84	111.36	122.88
16-16	61.20	65.28	69.36	73.44	77.52	81.60	93.84	106.08	118.32	130.56
17-16	64.80	69.12	73.44	77.76	82.08	86.40	99.36	112.32	125.28	138.24
18-16	68.40	72.96	77.52	82.08	86.64	91.20	104.88	118.56	132.24	145.92
19-16	72.00	76.80	81.60	86.40	91.20	96.00	110.40	124.80	139.20	153.60
20-16	75.60	80.64	85.68	90.72	95.76	100.80	115.92	131.04	146.16	161.28
21-16	79.20	84.48	89.76	95.04	100.32	105.60	121.44	137.28	153.12	168.96
22-16	82.80	88.32	93.84	99.36	104.88	110.40	126.96	143.52	160.08	176.64
23-16	86.40	92.16	97.92	103.68	109.44	115.20	132.48	149.76	167.04	184.32
24-16	90.00	96.00	102.00	108.00	114.00	120.00	138.00	156.00	174.00	192.00
25-16	94.50	100.80	107.10	113.40	119.70	126.00	144.90	163.80	182.70	201.60
26-16	99.00	105.60	112.20	118.80	125.40	132.00	151.80	171.60	191.40	211.20
27-16	103.50	110.40	117.30	124.20	131.10	138.00	158.70	179.40	200.10	220.80
28-16	108.00	115.20	122.40	129.60	136.80	144.00	165.60	187.20	208.80	230.40
29-16	112.50	120.00	127.50	135.00	142.50	150.00	172.50	195.00	217.50	240.00
30-16	117.00	124.80	132.60	140.40	148.20	156.00	179.40	202.80	226.20	249.60
31-16	121.50	129.60	137.70	145.80	153.90	162.00	186.30	210.60	234.90	259.20
32-16	126.00	134.40	142.80	151.20	159.60	168.00	193.20	218.40	243.60	268.80
33-16	131.40	140.16	148.92	157.68	166.44	175.20	201.48	227.76	254.04	280.32
34-16	136.80	145.92	155.04	164.16	173.28	182.40	209.76	237.12	264.48	291.84
35-16	142.20	151.68	161.16	170.64	180.12	189.60	218.04	246.48	274.92	303.36
36-16	147.60	157.44	167.28	177.12	186.96	196.80	226.32	255.84	285.36	314.88
37-16	153.00	163.20	173.40	183.60	193.80	204.00	234.60	265.20	295.80	326.40
38-16	158.40	168.96	179.52	190.08	200.64	211.20	242.88	274.56	306.24	337.92
39-16	163.80	174.72	185.64	196.56	207.48	218.40	251.16	283.92	316.68	349.44
40-16	169.20	180.48	191.76	203.04	214.32	225.60	259.44	293.28	327.12	360.96
42-16	181.80	193.92	206.04	218.16	230.28	242.40	278.76	315.12	351.48	387.84
44-16	194.40	207.36	220.32	233.28	246.24	259.20	298.08	336.96	375.84	414.72
46-16	207.00	220.80	234.60	248.40	262.20	276.00	317.40	358.80	400.20	441.60
48-16	219.60	234.24	248.88	263.52	278.16	292.80	336.72	380.64	424.56	468.48
50-16	234.00	249.60	265.20	280.80	296.40	312.00	358.80	405.60	452.40	499.20
52-16	248.40	264.96	281.52	298.08	314.64	331.20	380.88	430.56	480.24	529.92
54-16	262.80	280.32	297.84	315.36	332.88	350.40	402.96	455.52	508.08	560.64
56-16	277.20	295.68	314.16	332.64	351.12	369.60	425.04	480.48	535.92	591.36

Note—No extra charge for turning shanks on machine bits to any size required, provided they are straight and do not exceed 3 inches in length or 12/16-inch diameter. For shanks exceeding 3 inches in length an extra charge will be made of 7 cents per inch and if tapered, \$1.80 per dozen, net. Minimum charge 45 cents.

Morse taper shanks and special taper shanks to blue print, \$2.50 per dozen, net.

Special shanks of any desired shape made to order. We will not be held responsible for perfect fit unless we are furnished a sample shank of exact size desired.

All bits made by odd 32ds will be charged the price of the 16th larger.

SNELL RICE PATENT BORING MACHINES



No. 1

ANGULAR

Natural finish and varnished hardwood base and uprights; japanned cast iron arch, gears and cranks; steel spindle, chuck and axle; hardwood swivel grips; frame is firmly bolted; japanned cast iron clamp frame at base of upright; adjustable for angular boring; width of base, 8 inches; length of base, 29 inches; height of upright, 26 inches; length of cranks, 8½ inches; bores 10 inches deep.

No. 1 Angular; Weight each, 30 lbs.... **Each \$13.50**

One in a case

UPRIGHT

Natural finish and varnished hardwood bolted frame; japanned cast iron arch, gears, rack and cranks; steel spindle, chuck and axle; formed hardwood grips; width of base, 8 inches; length of base, 29 inches; height of upright, 26 inches; length of cranks, 8½ inches; bores 10 inches deep.

No. 2 Upright; Weight each, 25 lbs..... **Each \$11.00**

One in a case



No. 2

EXTRA PARTS FOR ABOVE BORING MACHINES

No.	Description	Each	No.	Description	Each
1	Wooden Base.....	\$1.00	9	Bevel Gear, Small Hole on Spindle	\$0.60
2	Wooden Upright or Frame.....	1.80	10	Small Gear.....	.40
3	Circle.....	.60	11	Gear Rack, Screwed to Frame....	.60
4	Crank Spindle.....	1.00	12	Steel Spring, Top of Wood Frame	.20
5	Arbor or Chuck with Set Screw...	2.00	13	Set Screw.....	.20
6	Crank and Handle.....	.80	14	Hook and Eye.....	.60
7	Iron Sliding Frame.....	1.80	15	Thumb Screw.....	.20
8	Bevel Gear, Large Hole on Arbor	.60	16	Wrench.....	.20

SNELL BORING MACHINE AUGERS

SNELL EXTRA



No. 243

SNELL SOLID CENTER



No. 843

For use in hand boring machines; feed rapidly and cut smoothly; full polished.

Length of Twist, 7 to 8 Inches; Length Over All, 12 Inches

Size Inches.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$
Per Dozen.....	\$10.00	10.00	10.00	10.00	10.00	11.00	13.00	15.00	17.00
Weight Per Doz., Lbs....	$4\frac{1}{4}$	$4\frac{1}{2}$	$5\frac{1}{4}$	$5\frac{3}{4}$	$6\frac{3}{4}$	7	$7\frac{1}{4}$	$7\frac{1}{2}$	$8\frac{1}{2}$

Size Inches.....	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3
Per Dozen.....	\$19.00	21.00	24.00	28.00	32.00	42.00	52.00	72.00	92.00
Weight Per Doz., Lbs....	$9\frac{3}{4}$	$10\frac{3}{4}$	11	$13\frac{1}{2}$	$15\frac{1}{2}$	18	24	32	40

Size Inches.....	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5
Per Dozen.....	\$152.00	212.00	272.00	332.00
Weight Per Doz., Lbs....	48	$54\frac{3}{4}$	66	96

$2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$ and 3 Inch Sizes, not made in Solid Center

$\frac{1}{4}$ to $\frac{3}{4}$ inch, half dozen in a box; $\frac{7}{8}$ to 2 inch, quarter dozen in a box; larger sizes individually wrapped in heavy paper

IN SETS—ASSORTED

	Per Set
Set of 18 Quarters, contains one bit each, 1, $1\frac{1}{2}$ and 2 inches; weight per set, 3 lbs....	\$6.00
Set of 23 Quarters, contains one bit each, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inches; weight per set, $3\frac{1}{2}$ lbs....	7.50
Set of 41 Quarters, contains one bit each, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 inches; weight per set 5 lbs.....	13.50

SNELL SHIP AUGER PATTERN BORING MACHINE AUGERS



No. 543

Forged from crucible steel; polished twists; polished edges.

Recommended for strength, rigidity, easy cutting and free clearance in boring hard woods.

Length of Twist, 7 to 8 Inches; Length Over All, 12 Inches

Size Inches.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per Dozen.....	\$11.75	12.00	13.00	14.25	16.00	17.50	19.70	25.10	35.00	48.50
Weight Per Doz., Lbs....	$5\frac{3}{4}$	$6\frac{3}{4}$	7	$7\frac{1}{4}$	$7\frac{1}{2}$	$8\frac{1}{2}$	$9\frac{3}{4}$	11	$13\frac{1}{2}$	$15\frac{1}{2}$

$\frac{1}{2}$ to $\frac{3}{4}$ inch, half dozen in a box; $\frac{7}{8}$ to 2 inch, quarter dozen in a box

IN SETS—ASSORTED

	Per Set
Set of 18 Quarters, contains one bit each, 1, $1\frac{1}{2}$ and 2 inches; weight per set, $3\frac{1}{2}$ lbs....	\$7.50
Set of 23 Quarters, contains one bit each, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inches; weight per set, $4\frac{1}{2}$ lbs....	9.25
Set of 41 Quarters, contains one bit each, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 inches; weight per set $5\frac{1}{2}$ lbs.....	16.50

SNELL CARPENTERS' NUT AUGERS



No. 240

Best quality crucible steel; 4 inch and smaller, polished finish

Used chiefly by framers, bridge and trestle builders for heavy timber boring; construction of flat head is such that it feeds rapidly and clears easily, cutting edges and side lips being correctly formed and easily resharpened.

Length of Twist, 7 to 8 Inches

Size Inches.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Per Dozen.....	\$10.00	10.00	11.00	13.00	15.00	17.00	19.00
Length Over All, Inches..	16	16	16	17	17	18	18
Weight Per Doz., Lbs....	$4\frac{3}{4}$	$5\frac{3}{4}$	7	$8\frac{3}{4}$	$9\frac{1}{2}$	$10\frac{1}{2}$	$11\frac{3}{4}$
Size Inches.....	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$
Per Dozen.....	\$21.00	24.00	28.00	32.00	37.00	42.00	52.00
Length Over All, Inches..	18	18	19	19	20	20	20
Weight Per Doz., Lbs....	18	$15\frac{1}{2}$	$17\frac{1}{2}$	20	$23\frac{1}{2}$	$27\frac{1}{2}$	$30\frac{1}{2}$
Size Inches.....	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{2}$
Per Dozen.....	\$72.00	92.00	122.00	152.00	182.00	212.00	272.00
Length Over All, Inches..	20	20	20	20	20	20	20
Weight Per Doz., Lbs....	35	40	43	48	52	$54\frac{3}{4}$	66

Sizes $\frac{1}{2}$ to 2 inches, half dozen in a box; $2\frac{1}{8}$ to 5 inches, individually wrapped in heavy paper

SNELL SOLID CENTER CARPENTERS' NUT AUGERS



No. 840

Forged from crucible steel; full polished, except nib.

Used chiefly for heavy timber boring; head has two cutters of the flat cut type, with side lips.

Length of Twist, 7 to 8 Inches

Size Inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per Dozen.....	\$8.25	8.25	9.50	10.75	12.00	13.25
Length Over All, Inches..	16	16	16	16	17	17
Weight Per Doz., Lbs....	$3\frac{1}{2}$	$4\frac{3}{4}$	$5\frac{3}{4}$	7	$8\frac{3}{4}$	$9\frac{1}{2}$
Size Inches.....	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per Dozen.....	\$15.00	17.00	19.00	22.00	26.00	30.00
Length Over All, Inches..	18	18	18	18	19	19
Weight Per Doz., Lbs....	$10\frac{1}{2}$	$11\frac{3}{4}$	13	$15\frac{1}{2}$	$17\frac{1}{2}$	20

Half dozen in a box

NOTE—All augers are carefully oil tempered and sharpened and finished by hand

SNELL SCOTCH EYE AUGERS



No. 245 A

Forged from crucible steel; polished twist; black head; black enameled round forged eyes; export type with flat cut head, made with coarse screw and especially designed for boring in hard woods.

Length of Twist, 7 to 9 Inches, According to Diameter

Size Inches.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$
Per Dozen.....	\$18.00	18.00	18.00	18.00	18.00	20.00	20.00
Length Over All, Inches.	20	20	20	21	21	21	22
Weight Per Doz., Lbs....	4	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6	6 $\frac{3}{4}$	7 $\frac{3}{4}$	8 $\frac{3}{4}$
Size Inches.....	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$
Per Dozen.....	\$22.00	25.00	25.00	28.00	28.00	30.00	33.00
Length Over All, Inches.	22	22	22	22	23	24	25
Weight Per Doz., Lbs....	10	11 $\frac{3}{4}$	12 $\frac{3}{4}$	13	13 $\frac{3}{4}$	15	17 $\frac{1}{4}$
Size Inches.....	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$	2	
Per Dozen.....	\$37.50	41.00	45.00	48.00	53.00	56.00	
Length Over All, Inches.	25	25	25	26	26	26	
Weight Per Doz., Lbs....	19 $\frac{1}{2}$	22	23 $\frac{1}{2}$	25	28	29	

Half dozen in a package

SNELL TREENAIL AUGERS



No. 249

Forged from crucible steel, full polished, black head.

Pointed for welding to cranks, also used in pneumatic machines for wooden ship building.

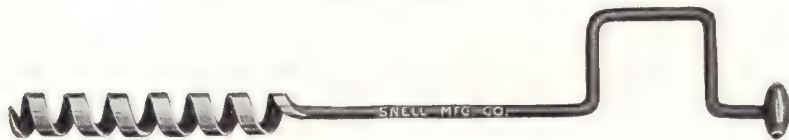
Shank, $\frac{5}{8}$ x 6 Inches

Size Inches.....	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$
Per Dozen.....	\$25.00	25.00	27.00	30.00	33.00
Length of Twist, Inches..	12	12	13	14	15
Length Over All, Inches.	18	18	19	20	21
Weight Per Doz., Lbs....	13 $\frac{1}{2}$	15	17 $\frac{1}{2}$	18 $\frac{3}{4}$	20

NOTE.—Can be furnished in special diameters and lengths as desired; when ordering specify whether fine screw of 14 threads to inch, medium screw of 9 threads or coarse screw of 6 threads to inch is desired.

Half dozen in a package

SNELL ICE AUGERS



No. 91

Forged from crucible steel, welded on 8-inch crank handle, fitted with swivel head; total length, 3 $\frac{1}{2}$ ft.

Used for boring holes in ice to measure thickness or to start ice saws.

With Crank Handle				Without Crank Handle		
Size Inches.....	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	Size Inches.....	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Weight Per Dozen, Lbs....	80	90	140	Weight Per Dozen, Lbs....	26	36

PRICES ON APPLICATION

SNELL GAS FITTERS' AUGERS



No. 256

Specially made for gas fitters for boring through thick plastering, the screw being extra long so as to reach into the wood; regularly made with 8-inch twist and 10-inch round shank so that it can be welded to an extra extension; screws are from $\frac{1}{2}$ to 2 inches in length, varying with the diameter of the auger.

Diameter of Auger, In.	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3
Per Dozen.....	\$19.00	21.50	24.00	30.00	34.00	44.00	52.00	60.00	82.00	110.00
For Pipe Size, Inches....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	..	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Size of Shank, Inches....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{13}{16}$	$\frac{13}{16}$	$\frac{13}{16}$	$\frac{13}{16}$	$\frac{13}{16}$
Weight Per Doz., Lbs....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	14	16	18	23 $\frac{1}{2}$	28	30	40	50

NOTE.—These augers can be made with any shape or size of shank desired, to order; when ordering augers varying from above specifications, give full particulars; always order by the size of auger, and not the diameter of the pipe.

SNELL GAS FITTERS' AUGERS

WITH SHANK FOR 1 Inch PIPE

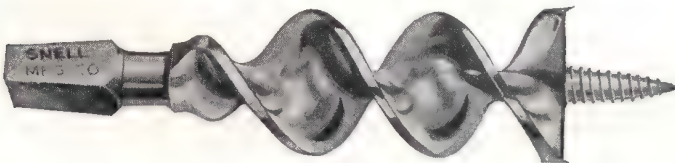


No. 257

Specially made for gas fitters for boring through thick plastering, the screw being extra long so as to reach into the wood.

Diameter of Auger, In.	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3
Per Dozen.....	\$29.25	31.75	34.25	40.25	44.25	54.25	62.25	70.25	92.25	120.25
Length Over All, Inches.	18	18	18	18	18	18	18	18	18	18
Weight Per Doz., Lbs....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	14	16	18	23 $\frac{1}{2}$	28	30	40	50

SNELL STEAM FITTERS' RATCHET AUGERS



No. 258

Made for use in a Ratchet Wrench, for boring holes for Steam and Gas Pipes.

Diameter of Auger, In.	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3
Per Dozen.....	\$19.00	21.50	24.00	30.00	34.00	44.00	52.00	60.00	82.00	110.00
Length Over All, Inches.	8	8	8	8	8	8	8	8	8	8
Weight Per Doz., Lbs....	4	5	6	7	8	10	12	13	16	20

SNELL EARTH AUGERS

For Plumbers, Gas Fitters and Water Companies



No. 259

Forged from Crucible Steel Japanned twist for boring for water and gas pipes. Also used by Geologists for testing soil.

Diameter of Auger, In.	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
Each.....	\$6.00	6.50	7.00	7.50	10.00	10.50	11.00
Length Over All, Inches.	26	26	26	26	26	26	26
Weight Each, Lbs.....	2 1/4	2 3/4	3 1/4	3 3/4	4 1/2	5	5 3/4
Diameter of Auger, In.	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2
Each.....	\$11.50	13.00	15.00	17.00	19.00	25.00	25.00
Length Over All, Inches.	26	26	26	26	26	26	26
Weight Each, Lbs.....	6 1/3	7 1/2	8 1/2	9 1/2	10 1/2	11 1/2	11 1/2

SNELL SHORT RING AUGERS



No. 244

Forged from crucible steel; 4 inches and smaller have polished twist; rings and parts of round are black japanned.

Flat cut type, used by bridge and dock builders or for boring in heavy timbers.

Length of Twist, 7 to 8 Inches

Size Inches.....	3/8	1/2	5/8	3/4	7/8	1	1 1/8
Per Dozen.....	\$12.00	12.00	12.00	13.00	14.00	15.00	16.50
Length Over All, Inches.	15	15	15	15	16	16	18
Weight Per Doz., Lbs....	4 1/2	6 1/4	7	7 3/4	10	11	11 3/4
Size Inches.....	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/4
Per Dozen.....	\$18.25	20.00	22.75	24.50	26.75	30.00	39.00
Length Over All, Inches.	18	18	18	20	20	20	20
Weight Per Doz., Lbs....	12 3/4	14 3/4	16 1/2	17	19 1/2	21 3/4	23
Size Inches.....	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Per Dozen.....	\$48.00	69.00	88.00	117.00	146.00	175.00	204.00
Length Over All, Inches.	20	20	20	20	20	20	20
Weight Per Doz., Lbs....	25 1/2	27	29	31	33	35	38

Sizes 3/8 to 2 inches, half dozen in package; 2 1/4 to 5 inches, individually wrapped in heavy paper

SNELL LONG OR CUBAN RING AUGERS



No. 245

Flat type head, with cast steel ring eye; 4 inches and smaller have polished twist; rings and part of rounds are black japanned.

Length of Twist, 7 to 8 Inches

Size Inches.....	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4
Per Dozen.....	\$13.50	13.50	13.50	14.75	16.00	17.25	19.00	21.00
Length Over All, Inches.	20	20	20	20	22	22	22	22
Weight Per Doz., Lbs....	5 1/2	6 3/4	8 3/4	10	12 3/4	13 3/4	15	17 1/4
Size Inches.....	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4
Per Dozen.....	\$23.00	26.00	28.00	30.00	32.00	34.00	39.00	39.00
Length Over All, Inches.	24	24	24	24	24	24	24	24
Weight Per Doz., Lbs....	19 1/2	22	23 1/2	25	28	29	36 1/2	36 1/2
Size Inches.....	2 1/4	2 1/2	3	3 1/4	3 1/2	3 3/4	4	4 1/2
Per Dozen.....	\$44.00	54.00	96.00	126.00	156.00	186.00	216.00	216.00
Length Over All, Inches.	26	26	26	26	26	26	26	26
Weight Per Doz., Lbs....	43	50	57 1/2	64	71	78	86	86

Sizes 3/8 to 2 inches, half dozen in a package; 2 1/4 to 4 inches, individually wrapped in heavy paper

SNELL SOLID CENTER SHORT RING AUGERS



Illustration Shows Flat Type Head

Forged from crucible steel, polished twist and round; furnished also with lacquered twist; for deep boring and heavy work; fitted with riveted rings; detachable rings can be furnished.

FLAT TYPE HEAD, No. 844

EXTENSION LIP HEAD, No. 850

Length of Twist, 7 Inches—Length of Shank, 11 Inches

Size Inches, in 16ths..	6	7	8	9	10	11	12
Per Dozen.....	\$10.00	11.00	11.00	12.00	12.00	13.00	13.00
Weight Per Doz., Lbs....	2½	3½	4¾	5¾	7	7¾	8¾
Size Inches, in 16ths..	13	14	15	16	17	18	18
Per Dozen.....	\$14.00	14.00	15.00	15.00	16.50	16.50	16.50
Weight Per Doz., Lbs....	9½	10½	11½	12¾	13	14	14
Size Inches, in 16ths..	20	22	24	26	28	32	32
Per Dozen.....	\$18.25	20.00	22.75	24.50	26.75	30.00	30.00
Weight Per Doz., Lbs....	15	16	17½	18½	19½	20	20

Quarter dozen in a package, wrapped in heavy paper

SNELL SOLID CENTER LONG RING AUGERS



Illustration Shows Extension Lip Head

FLAT TYPE HEAD, No. 845

EXTENSION LIP HEAD, No. 851

Length of Twist, 12 Inches—Length of Shank, 12 Inches

Size Inches, in 16ths..	6	7	8	9	10	11	12
Per Dozen.....	\$10.00	11.00	11.00	12.00	12.00	13.00	13.00
Weight Per Doz., Lbs....	9	10	10½	11	11½	12	12½
Size Inches, in 16ths..	13	14	15	16	17	18	18
Per Dozen.....	\$14.00	14.00	15.00	15.00	16.50	16.50	16.50
Weight Per Doz., Lbs....	13	13½	14	14½	15	17½	17½
Size Inches, in 16ths..	20	22	24	26	28	32	32
Per Dozen.....	\$18.25	20.00	22.75	24.50	26.75	30.00	30.00
Weight Per Doz., Lbs....	18	20½	23	25½	29	30	30

Quarter dozen in a package, wrapped in heavy paper

SNELL MILLWRIGHT AUGERS



No. 247

Forged from crucible steel, polished twists; flat cut type; made with square nib or forged ring.

Length of Twist, 12 Inches—Length Over All, 30 Inches

Size Inches.....	½	¾	1	1¼	1½	1¾
Per Dozen.....	\$16.50	19.00	19.00	21.50	21.50	24.00
Weight Per Doz., Lbs....	8	10	12	13	14	15
Size Inches.....	7/8	1½	1	1½	1¾	1¾
Per Dozen.....	\$24.00	26.50	30.00	30.00	34.00	38.00
Weight Per Doz., Lbs....	16	17	17½	20	21½	22½
Size Inches.....	1½	1¾	1¾	1¾	1¾	2
Per Dozen.....	\$44.00	48.00	52.00	56.00	60.00	60.00
Weight Per Doz., Lbs....	24½	27½	31	35	42	42

NOTE.—For rings, add \$1.50 per dozen to LIST PRICES

Individually wrapped in heavy paper

SNELL LONG RAFTING AUGERS



No. 246

Forged from crucible steel; 4 inches and smaller have polished twist; rings and parts of rounds are black japanned; used in heavy timber for deep boring, as in log rafts, booms, etc.

Length of Twist, 12 Inches—Length Over All, 30 Inches

Size Inches.....	1¼	1½	1¾	2	2¼	2½
Per Dozen.....	\$32.00	40.00	48.00	56.00	66.00	76.00
Weight Per Doz., Lbs...	19½	30	34	42	47	52
Size Inches.....	2¾	3	3¼	3½	3¾	4
Per Dozen.....	\$90.00	105.00	140.00	180.00	210.00	240.00
Weight Per Doz., Lbs...	56	67	78	89	95	100

NOTE—For sizes under 1¼ inches, use Millwright Auger List on page 31.

Individually wrapped in heavy paper

SNELL SOLID CENTER RAFTING AUGERS



No. 846

Forged from crucible steel, polished head and twist; used chiefly for heavy timber boring; head has two cutters and is of the flat cut type, having side lips.

Length of Twist, 12 Inches—Length Over All, 30 Inches

Size Inches.....	1¼	1½	1¾	2
Per Dozen.....	\$32.00	40.00	48.00	56.00
Weight Per Doz., Lbs...	28¾	30½	32	33¾

Individually wrapped in heavy paper

SNELL SOLID CENTER DERRICK AUGERS



No. 847

Forged in one piece from crucible steel, polished twist; furnished also with lacquered twist; extensively used by oil well derrick builders and for deep boring work; this type of auger is made only in the solid center pattern with double cutter, flat head.

Length of Twist, 18 Inches—Length Over All, 36 Inches

Size Inches, in 16ths.	10	11	12	13	14	15	16	17
Per Dozen.....	\$27.90	30.30	31.80	34.50	36.30	39.00	40.80	43.50
Weight Per Doz., Lbs...	28½	28¾	29	29¼	29½	29¾	30¼	30½
Size Inches, in 16ths.	18	20	22	24	26	28	30	32
Per Dozen.....	\$45.30	49.80	55.50	61.20	69.00	76.80	84.60	92.40
Weight Per Doz., Lbs...	30¾	31½	32½	34½	36	38	40	42

Individually wrapped in heavy paper

SNELL TAPPING BITS



No. 262

Crucible steel, polished finish; double spur; coarse thread; used for tapping maple trees.

Size Inches, in 16ths.....	6	7	8	10
Per Dozen.....	\$5.00	5.00	5.00	6.00
Length Over All, Inches.....	6	6	6	6
Weight Per Dozen, Lbs.....	1¼	1½	1½	1¾

One dozen in a box

SNELL STAR TAPPING BITS



No. 662

Crucible steel, full polished finish; has single spur and single cutting edge; special form of spiral clears chips readily; unequaled for rapid work.

Size Inches, in 16ths.....	6	7	8	10
Per Dozen.....	\$5.00	5.00	5.00	6.00
Length Over All, Inches.....	6	6	6	6
Weight Per Dozen, Lbs.....	1	1¼	1½	1¾

One dozen in a box

SNELL-COOK TAPPING BITS



No. 462

Made from crucible steel; for tapping maple trees; has double round cuts and bores clean; no chips; no fibers; bores a clean tap for clean sap.

Size Inches, in 16ths.....	6	7	8
Per Dozen.....	\$5.00	5.00	5.00
Length Over All, Inches.....	6	6	6
Weight Per Dozen, Lbs.....	1½	1⅝	1¾

One dozen in a box

SNELL-COOK TAPPING BITS—SHORT SHANK



No. 463

Made from crucible steel; for tapping maple trees; has double round cuts and bores clean; no chips; no fibers; bores a clean tap for clean sap.

Size Inches, in 16ths.....	6	7	8
Per Dozen.....	\$5.00	5.00	5.00
Length Over All, Inches.....	4¼	4½	4¾
Weight Per Dozen, Lbs.....	1¼	1⅝	1¾

One dozen in a box

SNELL EXTENSION LIP DOWEL BITS



No. 360

Forged from crucible steel; full polished, except nib.

Used by furniture makers, manual training schools and for boring where space is limited.

Length of Twist, $2\frac{1}{4}$ Inches—Length Over All, $4\frac{1}{2}$ Inches

Size Inches, in 16ths..	3	4	5	6	7
Per Dozen.....	\$6.00	5.00	5.00	5.00	5.00
Weight Per Doz., Lbs....	$\frac{3}{4}$	$\frac{7}{8}$	1	1	$1\frac{1}{8}$
Size Inches, in 16ths..	8	9	10	11	12
Per Dozen.....	\$5.00	6.00	6.00	7.00	7.00
Weight Per Doz., Lbs....	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{9}{16}$	$1\frac{5}{8}$	$1\frac{7}{8}$

SNELL SOLID CENTER DOWEL BITS, NO. 860

Will be furnished on order

Forged from crucible steel; full polished, except nib.

Used by furniture makers, manual training schools and for boring where space is limited.

Length of Twist, $2\frac{1}{4}$ Inches—Length Over All, $4\frac{1}{2}$ Inches

Size Inches, in 16ths..	3	4	5	6	7
Per Dozen.....	\$4.50	4.00	4.00	4.00	4.50
Weight Per Doz., Lbs....	$\frac{3}{4}$	$\frac{7}{8}$	1	1	$1\frac{1}{8}$
Size Inches, in 16ths..	8	9	10	11	12
Per Dozen.....	\$5.00	5.50	6.00	7.00	7.00
Weight Per Doz., Lbs....	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{9}{16}$	$1\frac{5}{8}$	$1\frac{7}{8}$

All Dowel Bits, One dozen in a box

SNELL DOUBLE SPUR PLUG BITS



No. 261

Forged from crucible steel; full polished, except nib. Used by furniture makers, boat builders and others; has double spur and coarse thread screw.

Length of Twist, 1 to 2 Inches—Length Over All, $6\frac{1}{2}$ Inches

Size Inches, in 16ths..	12	13	14	15	16	17	18
Per Dozen.....	\$7.00	8.25	8.25	9.50	9.50	12.00	12.00
Weight Per Doz., Lbs....	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	$2\frac{7}{8}$	3	$3\frac{1}{2}$
Size Inches, in 16ths..	20	22	24	26	28	30	32
Per Dozen.....	\$14.00	16.00	18.00	20.00	22.00	24.00	26.00
Weight Per Doz., Lbs....	4	$5\frac{1}{4}$	$5\frac{1}{2}$	$5\frac{7}{8}$	$6\frac{1}{8}$	$6\frac{3}{8}$	7

Half dozen in a box

SNELL CENTER BITS



No. 1915

Forged from cast steel, bright finish; used by stair builders and for shallow boring.

Length Over All, 4 to 5½ Inches								
Size Inches.....	¼	$\frac{5}{16}$	$\frac{3}{8}$	½	$\frac{5}{8}$	¾	⅞	1
Per Dozen.....	\$3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Weight Per Doz., Lbs...	1	1¼	1½	1¾	2	2½	3	3½
Size Inches.....	1⅞	1¾	1⅝	1½	1⅜	1¼	1⅛	2
Per Dozen.....	\$4.00	4.80	5.60	6.40	7.60	8.40	9.20	10.00
Weight Per Doz., Lbs...	3⅞	4¼	4½	5	5½	5¾	6	6½

No. 1915 A—Assortment, contains one dozen bits; three bits ½ inch, two bits ⅝ inch, and one bit each, ¾, ⅞, 1, 1⅛, 1¼, 1⅝ and 1½ inches.

Per Assortment, \$4.40

One dozen in a box

SNELL COUNTERSINK GIMLET BITS



SCREW POINT, No. 65

Cast steel blade, spoon pattern, screw point; length over all, 4 to 5 inches.

No. 65—Assorted for screws ¾, 1, 1¼, and 1½ inches; weight per dozen, ¾ lb. Per Dozen
\$2.00



DIAMOND, No. 66

Forged from cast steel; diamond point and full turn twist; for screws from ¾ to 1¾ inches; length over all, 4 to 5 inches.

Nos.....	0	1	2	3	4
Per Dozen.....	\$2.00	2.00	2.00	2.00	2.00
To Bore, Inches.....	5/32 x 3/4	6/32 x 1	7/32 x 1 1/4	8/32 x 1 1/2	9/32 x 1 3/4
Weight Per Doz., Lbs...	¾	¾	1	1	1¼

One dozen in a box

ASSORTMENT

No. 66 A—One dozen assorted sizes for screws ¾ to 1¾ inches; weight per dozen, 1 lb. Per Dozen
\$2.00

One dozen in a box

SNELL GIMLET BITS



CONTINENTAL PATTERN, No. 72

Cast steel, tempered straw color, cobra point.

	2	3	4	5	6	7
Size Inches, in 32ds...	2	3	4	5	6	7
Per Dozen.....	\$2.00	2.20	2.20	2.20	2.20	2.20
Length, Inches.....	4	4	4½	5	5	5¼
Weight Per Doz., Lbs....	½	½	5/8	5/8	¾	¾
Size Inches, in 32ds...	8	9	10	11	12	12
Per Dozen.....	\$2.20	2.50	2.50	3.00	3.00	3.00
Length, Inches.....	5¼	6	6¼	6¼	6¾	6¾
Weight Per Doz., Lbs....	7/8	1	1¼	1½	1½	1½

ASSORTMENT

No. 72 A—Assortment, contains one dozen bits, assorted sizes, 4 to 8-32ds; weight per assortment, ¾ lb. **Per Assortment, \$2.20**
One dozen in a box



DOUBLE CUT, No. 73

Forged from cast steel, oil tempered and polished.

	0	1	2	3	4	5	6
Nos.....	0	1	2	3	4	5	6
Per Dozen.....	\$2.00	2.00	2.20	2.50	2.75	3.00	3.25
Size Inches, in 32ds....	4	5	6	7	8	9	10
Length, Inches.....	4½	4½	4½	4½	4¾	4¾	6
Weight Per Doz., Lbs....	½	5/8	¾	7/8	1	1½	1¼

ASSORTMENT

No. 73 A—Assortment, contains one dozen bits, assorted sizes 4 to 10-32ds; weight per assortment, 7/8 lb. **Per Assortment, \$3.25**
One dozen in a box

SNELL ELECTRICIANS' GIMLET BITS



No. 75

Drawn from refined steel, bright finish.

	6	7	8	9	10	11	12
Diameter in 32ds.....	6	7	8	9	10	11	12
12 In. Long, Per Doz....	\$5.00	5.00	5.00	5.00	5.00	5.00	5.00
15 In. Long, Per Doz....	6.00	6.00	6.00	6.00	6.00	6.00	6.00
18 In. Long, Per Doz....	7.00	7.00	7.00	7.00	7.00	7.00	7.00
24 In. Long, Per Doz....	9.00	9.00	9.00	9.00	9.00	9.00	9.00
30 In. Long, Per Doz....	12.00	12.00	12.00	12.00	12.00	12.00	12.00

NOTE—Specify length and diameter when ordering.

One dozen in a box

SNELL ELECTRICIANS' GIMLETS



No. 85

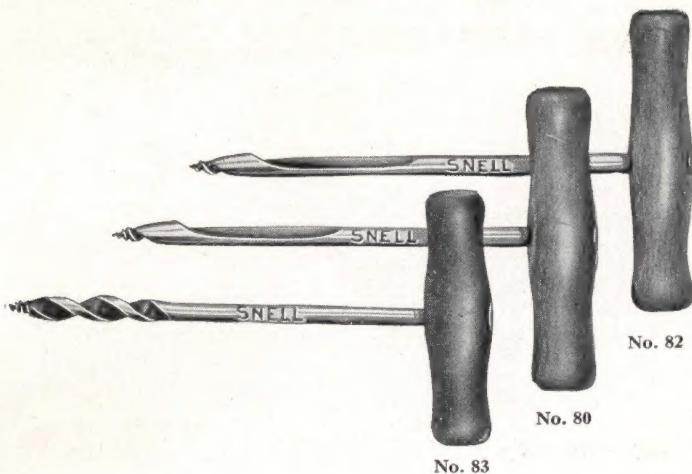
For bell hangers, telephone and telegraph workers; gimlets have riveted hardwood handles.

	6	7	8	9	10	11	12
Diameter in 32ds.....	6	7	8	9	10	11	12
15 In. Long, Per Doz....	\$6.00	6.00	6.00	6.00	6.00	6.00	6.00
18 In. Long, Per Doz....	7.00	7.00	7.00	7.00	7.00	7.00	7.00
24 In. Long, Per Doz....	9.00	9.00	9.00	9.00	9.00	9.00	9.00
30 In. Long, Per Doz....	12.00	12.00	12.00	12.00	12.00	12.00	12.00
36 In. Long, Per Doz....	15.00	15.00	15.00	15.00	15.00	15.00	15.00

NOTE—Specify length and diameter when ordering.

One dozen in a box

SNELL CONTINENTAL PATTERN GIMLETS



- No. 80—SCREW POINT, cast steel blade, hand filed screw point; turned hardwood handle; blade extends through handle and is riveted at end; length over all, 5 inches; assorted sizes 4 to 8-32ds; weight per gross, $7\frac{1}{2}$ lbs.,
Per Gross, \$12.00
- No. 82—COBRA POINT, cast steel blade; turned hardwood handle; blade extends through handle and is riveted at end; length over all, 5 inches; assorted sizes 4 to 8-32ds; weight per gross, $7\frac{1}{2}$ lbs.,
Per Gross, \$12.00
- No. 83—DOUBLE CUT, POLISHED, cast steel blade; turned hardwood handle; blade extends through handle and is riveted at end; length over all, 5 inches; assorted sizes 4 to 8-32ds; weight per gross, 9 lbs.,
Per Gross, \$12.00
- All the above, one dozen in a box*

SNELL COUNTERSINKS

Forged from cast steel, polished finish.



No. 67

- No. 67—FLAT COUNTERSINKS, for metal, countersinks to $\frac{5}{8}$ inch; length over all, $4\frac{1}{4}$ inches; weight per dozen, $1\frac{1}{8}$ lbs.,
Per Dozen, \$2.50



No. 68

- No. 68—ROSE COUNTERSINKS, for metal, countersinks to $\frac{5}{8}$ inch; length over all, $4\frac{1}{4}$ inches; weight per dozen, $1\frac{1}{4}$ lbs.,
Per Dozen, \$2.75



No. 69

- No. 69—SNAIL COUNTERSINKS, for wood, countersinks to $\frac{5}{8}$ inch; length over all, $4\frac{1}{4}$ inches; weight per dozen, $1\frac{1}{2}$ lbs.,
Per Dozen, \$2.50
- All the above, one dozen in a box*

SNELL SCREW DRIVER BITS



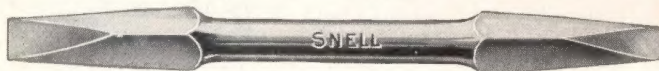
No. 77

No. 77—Forged from tool steel, full polished, with ground ends; assorted width blades, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, and $\frac{1}{2}$ inch; length over all, $4\frac{1}{2}$ inches; weight per dozen, $1\frac{1}{8}$ lbs. Per Dozen, \$2.00



No. 78

No. 78—Cast steel, polished blades; assorted width blades, $\frac{5}{16}$ to $\frac{5}{8}$ inch; length over all, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches; weight per dozen, $1\frac{1}{4}$ lbs. Per Dozen, \$1.50



No. 79

No. 79—DOUBLE END, cast steel, polished blades; length over all, $4\frac{1}{2}$ inches; $\frac{1}{4}$ inch blade on one end, $\frac{5}{16}$ inch on other end; weight per dozen, $1\frac{1}{2}$ lbs., Per Dozen, \$3.00

All the above, one dozen in a box

SNELL ROUND PUNCHES



"BLACK JACK" No. 37

Polished head and bevel; natural finish octagon body; hardened tool steel, will withstand severest usage as metal or machine punch; hollow tapered for removing section rivets.

Length Over All, Inches	8	9	10
Per Dozen	\$4.00	4.00	4.00
Diameter of Body, Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Diameter of Point, Inches	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$
Weight Per Dozen, Lbs.	5	8	$12\frac{1}{4}$

Half dozen in a box

SNELL ROOFING PUNCHES



No. 38

Polished head and taper, natural finish Octagon body, hardened tool steel, length over all, $7\frac{1}{2}$ inches; weight per dozen, $3\frac{1}{2}$ lbs.

No. 38—One dozen in a box, Per Dozen, \$4.00

SNELL COLD CHISELS



Made from high grade octagon tool steel, heat treated under the most modern conditions and tempered deep enough to allow for any possible grinding back. Qual-

ity and workmanship fully guaranteed. Made in three finishes: No. 1, Natural Finish; X, Natural Finish with Head and Blade polished; XX, Enamel Finish with nicely polished Head and Blade.

Size, Inches	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length, Inches	5	5	5	6	$6\frac{1}{2}$	7	8	$8\frac{1}{2}$
No. 1 Finish, Per Dozen	\$1.30	1.36	1.40	1.80	2.60	3.20	5.00	7.00
X Finish, Per Dozen	1.80	1.90	1.90	2.30	3.20	3.90	5.80	7.80
XX Finish, Per Dozen	2.20	2.30	2.40	2.80	3.80	4.60	6.50	8.50
Approx. Weight, Per Dozen, Lbs.	$\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	3	$4\frac{1}{4}$	7	$11\frac{1}{2}$	$16\frac{1}{2}$

Half dozen in a box

